



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

### Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

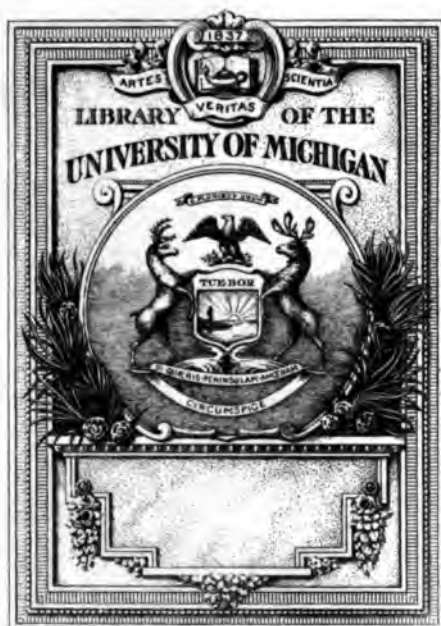
We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

### About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

B 1,024,355



Z  
6675  
.P2  
S856





TREASURY DEPARTMENT

Public Health and Marine-Hospital Service of the United States

WALTER WYMAN, CHIEF OF BUREAU

HYGIENIC LABORATORY—BULLETIN No. 37

M. J. ROSENAC, CHIEF

June, 1908

INDEX-CATALOGUE OF  
MEDICAL AND VETERINARY ZOOLOGY

SUBJECTS:

TREMATODA AND TREMATODE DISEASES

BY

CH. WARDELL STILES

AND

ALBERT RASSALL



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1908



**TREASURY DEPARTMENT**

**Public Health and Marine-Hospital Service of the United States**

WALTER WYMAN, Surgeon-General

---

**HYGIENIC LABORATORY.—BULLETIN No. 37**

M. J. ROSENAU, Director

June, 1908

---

**INDEX-CATALOGUE OF  
MEDICAL AND VETERINARY ZOOLOGY**

**SUBJECTS:  
TREMATODA AND TREMATODE DISEASES**

**BY**

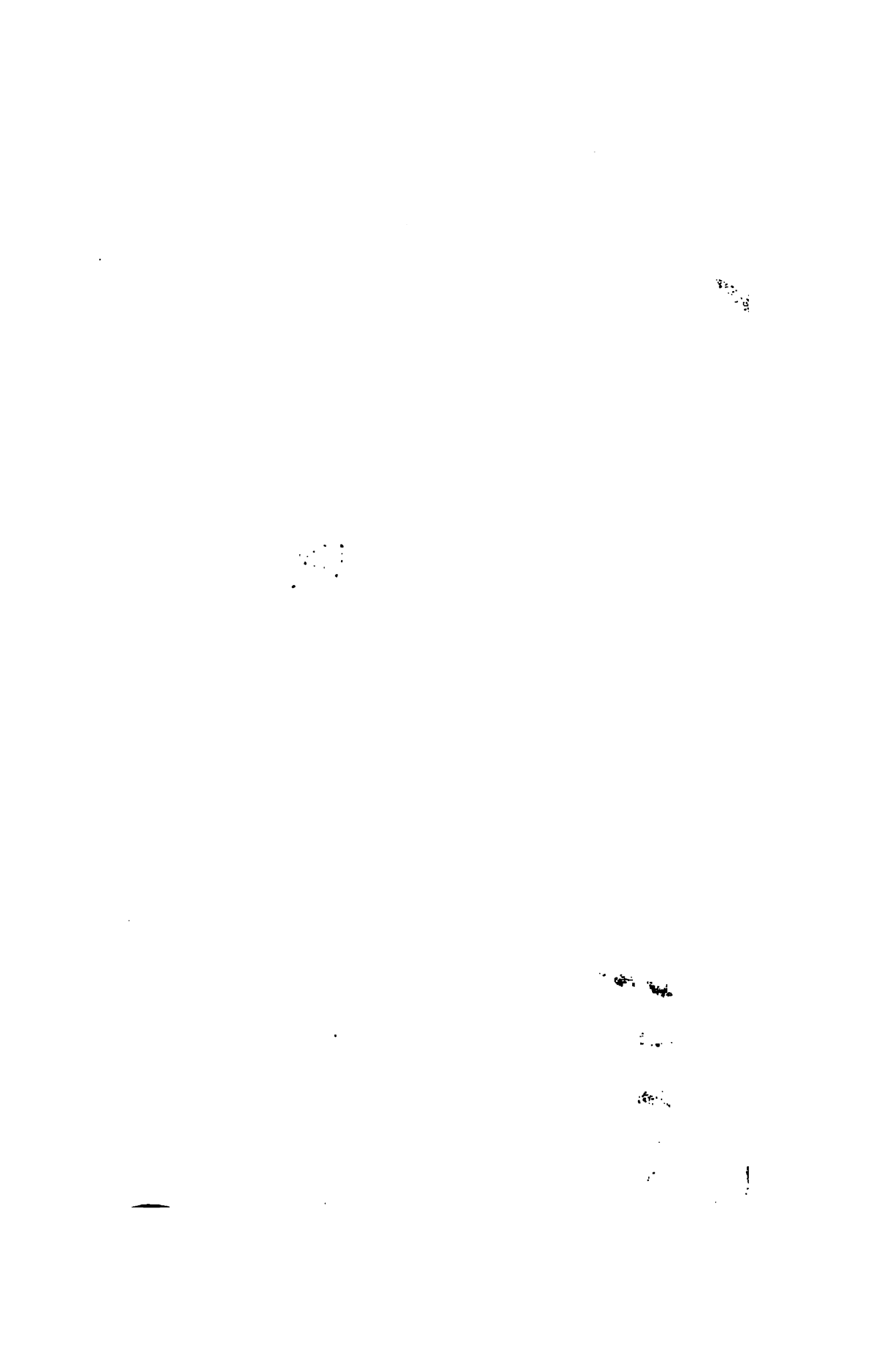
**CH. WARDELL STILES**

**AND**

**ALBERT HASSALL**



**WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1908**



## ORGANIZATION OF HYGIENIC LABORATORY.

WALTER WYMAN, *Surgeon-General*,  
*United States Public Health and Marine-Hospital Service.*

### ADVISORY BOARD.

Major Walter D. McCaw, Surgeon, U. S. Army; Surgeon John F. Urie, U. S. Navy;  
Dr. A. D. Melvin, Chief of U. S. Bureau of Animal Industry, and Milton J. Rosenau,  
U. S. Public Health and Marine-Hospital Service, *ex officio*.

Prof. William H. Welch, Johns Hopkins University, Baltimore, Md.; Prof. Simon  
Flexner, Rockefeller Institute for Medical Research, New York; Prof. Victor C.  
Vaughan, University of Michigan, Ann Arbor, Mich.; Prof. William T. Sedgwick,  
Massachusetts Institute of Technology, Boston, Mass.; and Prof. Frank F. Wesbrook,  
University of Minnesota, Minneapolis, Minn.

### LABORATORY CORPS.

*Director.*—Passed Assistant Surgeon Milton J. Rosenau.

*Assistant director.*—Passed Assistant Surgeon John F. Anderson.

*Pharmacist.*—Frank J. Herty, Ph. G.

*Artist.*—Leonard H. Wilder.

*Acting librarian.*—E. B. K. Foltz.

### DIVISION OF PATHOLOGY AND BACTERIOLOGY.

*Chief of division.*—Passed Assistant Surgeon Milton J. Rosenau.

*Assistants.*—Passed Assistant Surgeons John F. Anderson, L. L. Lumsden, W. W.  
King, and George W. McCoy, and Assistant Surgeon A. M. Stimson.

### DIVISION OF ZOOLOGY.

*Chief of division.*—Ch. Wardell Stiles, Ph. D.

*Assistants.*—Passed Assistant Surgeon Joseph Goldberger, Walter D. Cannon, A.B.,  
M. D., and David G. Willets, Ph. B., M. D.

### DIVISION OF PHARMACOLOGY.

*Chief of division.*—Reid Hunt, Ph. D., M. D.

*Assistant.*—Atherton Seidell, Ph. D.

### DIVISION OF CHEMISTRY.

*Chief of division.*—Joseph H. Kastle, Ph. D.

*Assistants.*—Assistant Surgeon Norman Roberts, Madison C. Porch, B. S., and James  
S. McHargue, B. S.



## CONTENTS.

---

	Page
Introduction.....	7
List of specific names.....	10
Bibliography of diseases, supergeneric, generic, and specific names.....	84
Addenda.....	385
Notice to Librarians and bibliographers concerning the serial publications of this laboratory.....	399





# INDEX-CATALOGUE OF MEDICAL AND VETERINARY ZOOLOGY.

SUBJECTS: TREMATODA AND TREMATODE DISEASES.

---

By CH. WARDELL STILES, Ph. D.,

*Chief of Division of Zoology, Hygienic Laboratory, U. S. Public Health and Marine-Hospital Service, Consulting Zoologist, U. S. Bureau of Animal Industry,*

and

ALBERT HASSALL, M. R. C. V. S.,

*Assistant, Division of Zoology, U. S. Bureau of Animal Industry,*

*Collaborators: O. B. Clevenger, P. E. Garrison, J. Goldberger, H. W. Graybill, M. G. Motter, C. Myers, B. and E. Oberly, C. A. Pfender, B. H. Ramson, E. and A. Stevenson, D. G. Willets.*

---

## INTRODUCTION.

The Index-Catalogue of Medical and Veterinary Zoology represents the combined card-catalogues of the Zoological Division of the United States Bureau of Animal Industry and of the Zoological Division, Hygienic Laboratory, United States Public Health and Marine-Hospital Service. These catalogues are arranged in three sections: Authors, Subjects, and Hosts.

OBJECT OF INDEX CATALOGUE.—The object in publishing the catalogue is to place it in permanent form. There have been four fires in the two laboratory buildings, but fortunately none of these gained headway. Were either building to be destroyed, and any part of the catalogue to be lost, the inconvenience such loss would entail in the regular work would be very extensive. By having the catalogue in printed form, it is made more accessible, and accidents are guarded against. By placing it at the disposal of other workers it is hoped to render their work less arduous, and especially it is desired to reduce the confusion in nomenclature.

SUGGESTIONS FOR USING THE INDEX.—It should be recalled that this is an index, not a treatise. Persons who consult it should therefore not expect to find in it the reasons for any given entry. Nor

does the entry of the synonymy in any given case mean that this synonymy is necessarily correct; it is simply quoting published synonymy. The same statement refers to the hosts cited.

In looking up the literature of any given species, the reader should consult the cross reference (pp. 10 to 83) for the various genera under which the species has been published, and the synonyms given in the general entries; by looking up these references in the general catalogue (pp. 84 to 383), all or practically all the references to the species are obtained.

**SUGGESTIONS IN PUBLISHING NEW NAMES.**—In indexing literature one is impressed with the differences in arrangement of the material as published by different authors. Some writers arrange the systematic portions of their papers in such a manner that it is an easy matter to obtain the important data. Other authors are less careful in this respect, and their material is arranged, in some cases in a style which almost defies indexing.

As a very convenient style we would suggest the following diagrams:

**Genus FASCIOLA Linnæus, 1758.**

1758: *Fasciola* Linn., 1758a, 644, 648-649 (*hepatica* [give here either the type species or all of the species in the order given by the author]). [Give origin of name, if desired.]

[Give here the synonymy in same style as foregoing entry.]

**GENERIC DIAGNOSIS.**—*Fasciolidæ*, *Fasciolinæ* [It is always very useful to give the name of the family and subfamily]: [Here give the generic diagnosis.]

**TYPE SPECIES.**—[If type has not been designated, state why the species in question is now selected; as by first species rule, tautonomy, elimination, etc.]

**Species FASCIOLA HEPATICA Linnæus, 1758.**

1758: *Fasciola hepatica* Linn., 1758a, 648-649 [add here type host and type locality].

[Add synonymy here, in same style as foregoing entry.]

**SPECIFIC DIAGNOSIS.**—*Fasciola* (p. —) [give page where generic diagnosis is printed]:

[Add here specific diagnosis.]

**HABITAT.**—[Give hosts and geographic distribution here.]

**TYPE SPECIMEN.**—[Give museum number of type specimen.]

A list of hosts, together with the parasites found in them, is an exceedingly useful adjunct to any paper dealing with parasites. Several authors have published such lists, but most authors fail to do so. If the plan of giving a compendium of hosts with every paper were more generally adopted, the papers would be very much more valuable. In indexing the hosts, especially in papers by certain authors, we have met with considerable difficulty, for it is often necessary to read carefully an entire article in order to avoid overlooking the hosts. And even then it is, unfortunately, not exceptional that the reader can not be certain that he is indexing correctly.

## ABBREVIATIONS.

As a general rule we do not favor the use of abbreviations. In a work of this kind, however, in which certain names are repeated from 50 to 2,000 times, the use of abbreviations becomes necessary, in order to reduce both the bulk and the expense.

**GENERIC NAMES.**—The general rule is here followed of abbreviating all generic names ending in *-stoma* or *-stomum* to *-st*, as *Amphist.* for *Amphistoma* and *Amphistomum*, *Dist.* for *Distoma* and *Distomum*, etc.

All names ending in *-cercaria* are abbreviated to *-cerc.*, as *Cerc.* for *Cercaria*, *Eucerc.* for *Eucercaria*, etc.

All other abbreviations can, we believe, be understood without explanation—*Fasc.* for *Fasciola*, *Plan.* for *Planaria*, etc.

**AUTHORS' NAMES.**—The following abbreviations refer to authors' names:

Abildg. for Abildgaard.  
Ben. for Beneden.  
Bettend. for Bettendorf.  
E. Bl. for E. Blanchard.  
R. Bl. for R. Blanchard.  
Blainv. for Blainville.  
Brand. for Brandes.  
Burm. for Burmeister.  
Cerf. for Cerfontaine.  
Crep. for Creplin.  
Cuv. for Cuvier.  
Dav. for Davaine.  
Dies. for Diesing.  
Duj. for Dujardin.  
Erc. for Ercolani.  
Fil. for Filippi.  
Fischder. for Fischæder.  
Fraip. for Fraipont.  
Gamb. for Gamble.  
Gerv. for Gervais.  
Goldb. for Goldberg.  
Hass. for Hassall.  
Jægers. for Jægerskiöld.  
Kath. for Kathariner.  
Kholodk. for Kholodkowski.  
Kowal. for Kowalewski.  
Kuech. for Kuechenmeister.

Leuck. for Leuckart.  
Levin. for Levinsen.  
Linn. for Linnæus.  
Linst. for Linstow.  
Lint. for Linton.  
Lœnnb. for Lœnnberg.  
Mol. for Molin.  
Mont. for Monticelli.  
Moul. for Moulinié.  
Mueh. for Muehling.  
Nord. for Nordmann.  
Odh. for Odhner.  
Ols. for Olsson.  
Pag. for Pagenstecher.  
Par. for Parona.  
Per. for Perugia.  
Perr. for Perroncito.  
Poir. for Poirier.  
St.-Remy for Saint-Remy.  
Sieb. for Siebold.  
Sons. for Sonsino.  
Staff. for Stafford.  
Stoss. for Stossich.  
Rail. for Railliet.  
Rud. for Rudolphi.  
Tasch. for Taschenberg.  
Will.-Suhm for Willemoes-Suhm.

**OTHER ABBREVIATIONS.**—All literature references are taken from the Author's Catalogue of this Index (Bull. 39, U. S. Bureau of Animal Industry). The following common abbreviations are also used:

f. for family.  
g. for genus.  
m. for monotypical.  
t. h. for type host.  
t. l. for type locality.

tld. for type by later designation.  
tod. for type by original designation.  
subf. for subfamily.  
subg. for subgenus.

## ALPHABETICAL LIST OF SPECIFIC AND SUBSPECIFIC NAMES IN TREMATODA.

The following is a complete list of all the specific and subspecific names of *Trematoda*, so far as contained in our card catalogue at date of going to press, together with the generic names with which they have been used. The references are the earliest reference we have found for the names in question, together with the type host and type locality, so far as we have as yet traced these.

It has been found necessary to include in this list some species which are not *Trematoda*. (See addenda, p. 385.)

- abbreviata* Olss., 1876, 12, t. h. *Acanthias vulgaris*.—1876: *Onchocotyle*. 1899: *Squalonchocotyle*.
- abbreviatum* Brand., 1888a, 55, t. h. *Crocodylus*; Brazil.—1888: *Diplost.*
- abdominalis* Goëze. 1782a, 41, F. *intestinalis* Linn., 1758a, renamed, includes also *Ligula piscium*.—1782: Fasc. [*Ligula*, cestode.]
- aberrans* Goto, 1894a, 198, t. h. *Belone schismatorhynchus*; Hagi, Japan.—1894: *Axine*.
- aberrans* Looss, 1902m, 630, t. h. *Chelone mydas*; Egyptian coast.—1902: *Microscaphidium*.
- absconditus* Looss, 1901e, 631, t. h. *Bagrus bayad*, B. *docmac*.—1901: *Acanthochasmus*.
- acalepharum* Costa (1864), 90, larva in *Acalephen*.—1864: *Macrurochæta* (type) [1894: *Cerc. setifera*.]
- acanthocephalum* Stoss., 1887, 94, t. h. *Belone acus*; Triest.—1887: *Dist.* 1898: *Echinost.* 1899: *Tergetia* (probably type)
- acanthoides* Rud., 1819a, 114, t. h. *Phoca vitulina*; Berlin.—1819: *Dist.* (*Echinost.*). 1860: *Echinost.*
- acanthurum* Par. & Per., 1896, 2, t. h. *Brama rayi*; Genova.—1896: *Microcotyle*.
- acanthus* Nicoll, 1906, 514, t. h. *Larus argentatus*.—1906: *Zeugorchis*, type. 1907: *Parorchis*, type.
- acariæum* Looss, 1902m, 415, t. h. *Thalassochelys corticata*; Egyptian coast.—1902: *Enodiotrema*.
- acceptum* Looss, 1901b, 203, t. h. *Crenilabrus pavo*, C. *griseus*, bladder; Triest.—1901: *Phyllodist.*
- acerca* Biehringer, 1884a, 3, t. h. *Onchidium carpenteri* Stearns.—1884: *Cerc.*
- acerinæ cernuæ* Claparède (1857), t. h. *Acerina cernua*.—1857: *Tetracotyle*.
- acervo-calcephorum* Erc., 1881e, 21, for *acervocalciferum* (*Dist.*).
- acervocalciferum* Gastaldi, 1854, 6, t. h. *Rana esculenta*.—1854: *Dist.*
- acervocalcoforum* Linst., 1875, 193, for *acervocalciferum* (*Dist.*).
- acervocalcophorum* Erc., 1881e, 20, for *acervocalciferum* (*Dist.*).
- acetabularis* Braun, 1900, 388, for *acetabulatus* (*Pycnopus*).
- acetabulatus* Looss, 1899b, 611, t. h. *Vesperugo kuhli*; apparently Egypt, January.—1899: *Pycnopus*.
- aquans* Sons., 1891, 263, for *æquans* (*Diplectanum*).
- acreatum* Stoss., 1892, 18, for *ocreatum* (*Monost.*).
- actæonis* Pag., 1862, 306, t. h. *Acteon viridis*; Cette.—1862: *Dist.*
- aculeata* Erc., 1881, see Par., 1894, 163, t. h. *Lymnæa auricularis*; Bologna.—*Cerc.*

- aculeatum* Nitzsch, in Giebel, 1857, 266, t. h. *Strix bubo*.—1857: Dist.
- aculeatum* Linst., 1879b, 338, t. h. *Testudo græca*; loc. not given.—1879: Monost. [1890: Dist. linstowii.] 1901: Telorchis.
- aculeatum* Par. & Per., 1889, 745, t. h. *Corvina nigra*; Genova.—1889: Diplectanum.
- aculeatum* Couch, ———: Trist. [1898: *T. molæ*.]
- aculeatus* Odhn., 1905, 297, t. h. *Conger vulgaris*; Mediterranean, Belgium, Sweden.—1905: Prosorhynchus.
- aculeatus* Dies., 1858, 275, t. h. *Planorbis marginatus*.—1858: Bucephalus (*Bucephalopsis*).
- acula* Goto, 1894a, 217, t. h. *Thynnus sibi*; Hagi, Osatsubé, Japan, August.—1894: Hexacotyle.
- acutum* Leuck., 1842, 33, t. h. *Mustela putorius*.—1842: Dist.
- adherens* Braun, 1901, 942, t. h. *Mycothera* sp.; Brazil.—1901: Glaphyrost. (type).
- adherens* Looss, 1901, 624 (= *vallei* 1899, type of *Lophotaspis*), t. h. *Thalassochelys corticata*; Egypt.—1901: *Lophotaspis* (type).
- adolphi* Stoss., 1902, 19, t. h. *Grus cinerea*, *Ardea cinerea*; Siberia.—1902: Cyclocœlum. [*adriaticum* v. Dr. (Dist. [tunicate].)]
- aduncum* Lint., 1905, 327, t. h. *Opsanus tau*; Beaufort, N. C.—1905: Dist.
- advena* Duj., 1843, 338, t. h. *Sorex*; Europe.—1843: *Brachylaima* (type). [1845: Dist. (*Brachylaimus*, type).] [1847: *Brachylæmus*.] 1892: Dist. [*Brachylaimus* (type).]
- æglefini* Mueller, 1776, 224, t. h. *Gadus æglefinus*, int.—1776: Fasc. 1803: Dist. [1850: Dist. simplex.] [1904: *Sinistroporus* (type).]
- æglefini* Ben., 1870, 57 [see also *æglefini* Mueller, 1776].—1870: Dist.
- ægrefini* Boec., 1802a, v. 1, for *æglefini* 1776 (Fasc.).
- ægyptiaca* Odhn., 1905, 370, Monost. *verrucosum* of Looss, renamed.—1905: Notocotyle.
- ægyptiacum* Cobbold, 1876t, 757, t. h. *Equus*; Egypt.—1876: Diplost. 1876: Hemist. 1893: *Gastrodiscus*.
- ægyptiacum* Looss, 1896b, 33, t. h. buffles, bœufs, moutons; Egypt.—1896: Dist. 1896: Dist. hepatica. 1898: Fasc. hepatica. 1899: Fasc. [1902: *F. gigantea*.]
- ægyptiaca* Cobbold, 1866, 6, heterophyes 1852, renamed.—1866: *Heterophyes* (type).
- ægyptiacus* Looss, 1898a, 459, apparently lapsus for *gregarius*.—1898: *Gastrothylax*.
- æquale* Duj., 1845a, 410, t. h. *Strix flammea*; Rennes.—1845: Dist. (*Brachylaimus*). 1892: *Mesogonimus*. [1899: *Clinost.* ('possibly').]
- æqualis* Looss, 1902, 888, t. h. dogs and cats; Egypt.—1902: *Heterophyes*.
- æquans* Wagener, 1857, 99, t. h. *Labrax lupus*.—1857: *Dactylogyrus*. 1858: *Diplectanum* (probably type).
- æquans* Looss, 1899b, 652, t. h. *Gerbillus ægyptius*; Egypt.—1899: *Heterolope*. 1900: *Harmost*.
- æquatus* Staff., 1905, 691, t. h. *Eutenia sirtalis*; Canada.—1905: *Zeugorchis* (type).
- affine* Dies., 1850a, 410, based on Schmitz, 1826, 15, figs. 1-13, t. h. *Bombinator igneus*; Berlin.—1850: *Hexathyridium*.
- affine* Dies., 1850a, 359 [not Rud., 1819a], Monost. *tenuicollis* Rud., 1819a, renamed, t. h. *Lampris guttatus*; Groningæ.—1850: Dist.
- affine* Leidy, 1858a, 110, t. h. *Fiber zibethicus*; U. S. A.—1858: Monost.
- affine* Rud., 1819a, 110, t. h. *Perca cirrosa*; Arimini.—1819: Dist. 1845: Dist. (*Apo-blema*). 1901: *Derogenes*.
- affine* Lint., 1898, 511, t. h. *Paralichthys dentatus*; Woods Hole.—1898: *Octoplectanum*. 1901: *Diclidophora*.
- affinis* Eichwald, 1829a, 247, t. h. *Lymnæus stagnalis*.—1829: Cerc.
- affixus* Looss, 1899b, 587, t. h. *Corvus cornix*, *Falco tinnunculus*, *Circus æruginosus*, *Recurvirostra avocetta*; Egypt.—1899: *Pygorchis* (type).
- africanum* Stiles, 1901, 594, *bursicola* Looss, 1899 [not Crep., 1837], renamed.—1901: *Echinost*.
- africanum* Stoss. in Galli-Valerio, 1906, 49, t. h. a fish; French Congo.—1906: *Clinost*.
- agamos* Linst., 1872, 1, t. h. *Gammarus pulex* L.—1872: Dist.
- agassizi* Goto, 1899a, 286, t. h. *Remora brachyptera*; Newport, R. I.—1899: *Dionchus* (type).

- agassizii* Mont., 1905, 69, for *agassizi* (Dionchus).
- agilis* Fil., 1857c, 4, t. h. *Lymnaeus stagnalis*; Turin.—1857: Cerc. 1858: C. (*Gymnocephala*).
- agilis* Leidy, 1858a, 110, free in Delaware River.—1859: Cerc.
- alacre* Looss, 1901, 401, t. h. *Labrus maculatus*, *L. merula*, *Crenilabrus pavo*, *C. quinque-maculatus*, *C. griseus*.—1901: Dist.
- alata* Gœze, 1782a, 176, t. h. *Canis vulpes*; Germany.—1782: Plan. [178c: *Alarva vulpis*, type]. 1790: *Festuc.* 1793: *Fasc.* 1800: Dist. 1819: *Holost.* 1850: *Hemist.* (type). 1889: *Emist.* 1894: *Diplost.* (*Hemist.*). 1896: *Conchoscapha* (type).
- alata* Hemp. & Ehrenb., 1828a, in water; Berlin.—1828: *Histrionella*. 1856: Cerc.
- alatus* Linst., 1878, 227, t. h. *Blicca bjoerkna*; Europe.—1878: *Dactylogyrus*.
- alba* Erc., 1881c, 12, for Cerc. *brunnea* var. Dies.—1881: Cerc.
- alba* Cerf., 1899a, 377, t. h. *Raja alba*.—1899: *Rajonchocotyle*.
- albicollis* Rud., 1819a, 98, t. h. *Falco pennatus*; Mus. Vien.—1819: Dist. 1845: D. (*Dicrocoelium*). 1901: *Dicrocoelium*.
- albidum* Braun, 1893, 347, t. h. *Felis catus domestica*; Königsberg i. Pr.—1893: Dist. (*Dicrocoelium*). 1896: *Opisthorchis*. 1899: *Metorchis* (type).
- albidum* Brand., in Offenheim, 1900, 145, t. h. *Aëtobatis narinari*; Pacific.—1900: *Anaporrhutum* (type).
- albobaculeum* Stoss., 1889, 28, t. h. *Sargus salviani*; Triest.—1889: Dist.
- album* Kuhl & van Hasselt, 1822a; 1824a, 311 t. h. *Chelonia midas*; Iles des Cooctiers.—1822: *Monost.* 1899: *Cricocephalus* (type).
- album* Stoss., 1890, 42, t. h. *Cantharus orbicularis*; Triest.—1890: Dist. [1899: ? *Creadium*.] 1904: *Lepocreadium* (type). 1901: *Allocreadium*.
- alcedinis* Par. & Per., 1890, 7, t. h. *Smoris alcedo*; Genova.—1890: *Microcotyle*.
- allostomum* Dies., 1850a, 367, Dist. *colubri murorum* 1811 and 1819 renamed, t. h. *Tropidonotus natrix*; M. C. V.—1850: Dist.
- alosa* Hermann, 1782, 180, t. h. *Clupea alosa*.—1782: *Mazocraes* (type).
- alosa* Hermann, 1783a, 46, t. h. *Maifisch im Rhein*, *Clupea alosa*.—1783: *Fasc.* [1850: Dist. *appendiculatum*.]
- alosa* Leuck. (1828) [see *lanceolatum*].—*Octobothrium*. [1845: *O. lanceolatum*.]
- alosa* Mont., 1888, 13.—1888: *Ophycotyle*.
- alosa* Kuhn 1829, 358, t. h. *Clupea alosa*.—1829: *Octost.* (type). [1852: *Octobothrium lanceolatum*.]
- alosa* Mayer, 1841a, see *lanceolatus alosa*.
- alosa* Ben. & Hesse, 1863; 1864, 102, t. h. *Alosa vulgaris*.—1864: *Glossocotyle* (type). 1890: *Octobothrium* (*Glossocotyle*).
- aloyisæ* Stoss., 1885, 161, t. h. *Corvina nigra*; Triest.—1885: Dist. 1886: D. (*Brachylaimus*). [1899: *Anoiktost.*, type.]
- alpina* Dana.—1891: Plan.
- altemon* Ben., 1870, 48, see *atomon* (Dist.).
- aluconis intestinale* Rud., 1819a, 119, t. h. *Strix aluco*.—1819: Dist. [1892: sub *Echinost. apiculatum*.]
- aluconis thoracicum* Rud., 1819a, 119 (Plan. *pusilla* Braun, 1790, pro parte renamed); t. h. *Strix aluco*.—1819: Dist.
- alveatum* Mehlis, in Crep., 1846, 142, t. h. *Anas Cygnus*, see p. 323.—1845: *Monost.* 1892: *Notocotyle*.
- alveatum* Mehlis of Mueh., 1898, renamed *alveiforme* Cohn, 1904.
- alveiforme* Cohn, 1904, 230, *alveatum* Mehlis of Mueh., 1898, renamed.—1904: *Monost.*
- americana* Hass., 1891c, 359, t. h. *Bos taurus*; U. S. A.; *carnosa* Hass., 1891, renamed.—1891: *Fasc.* 1892: Dist. [*Fasc. magna*.]
- americanus* Staff., 1902, 719, t. h. *Rana virescens*; Ashbridge's Bay, Toronto.—1905: *Cephalogonimus*.
- americanum* Osborn, 1903, 252, t. h. *Amblystoma punctatum*; Minnesota.—1903: *Phyllodist.*
- amiuri* Staff., 1904, 402, t. h. *Amiurus nebulosus*; Canada.—1904: *Monost.*
- amphibothrium* Wagener, 1857, 57, t. h. *Acerina cernua*.—1857: *Dactylogyrus*.

- amphileucus* Looss, 1899b, 565, for *amphileucus* (Metorchis).  
*amphileucum* Looss, 1896b, 55, t. h. *Naja haje*; Alexandria, Egypt.—1896: Dist. 1898: Opisthorchis. 1899: Metorchis.  
*amphiorchis* Braun, 1899b, 719, t. h. *Thalassochelys corticata* at Trieste, *Chelone mydas* and *Podocnemis expansa*.—1899: Dist. 1899: *Anadasmus* (type). [1901: *Orchidasma* (type).] 1901: *Orchidasma* (type).  
*amphistoma* Nord., 1840, 616, probably lapsus (*D[istoma]*).  
*amphistomi subclavati* Ben., 1858a, 82, in *Cyclas cornea*, etc.—1858: Cerc. [1859: *Diplodiscus subclavatus*.]  
*amphistomoides* Bojanus, 1817b, 270, t. h. *Castor fiber*.—1817: Dist. 1817: *Dystoma*. [1850: *Amphist. subtriquetrum*.] [1902: *Cladorchis* (*Stichorchis*) *subtriquetrus*.]  
*arapicava* Looss, 1899b, 606, *D. cygnoides* var. *A.* of Bensley, 1897, renamed.—1899: *Gorgodera*.  
*ampullaceum* Buttel-Reepen, 1900, 586, in Cetacean; Indian Ocean.—1900: Dist.  
*anarrichæ* Jacoby, 1900, 13, for *anarrichæ*.—1900: Dist.  
*anarrichæ* Rud., 1819a, 121; *anarrichæ lupi* Rathke, pars (from intestine) renamed.—1819: Dist. [1819: ? *D. appendiculatum*.]  
*anarrichæ* *lup[i]* Rathke, 1799, 70, t. h. *Anarrichas lupus*.—1799: Dist. [1809: *D. incisum*.]  
*anastrophus* Fischder., 1901, 375, t. h. *Cervus dichotomus*; Brazil.—1901: *Balanorchis* (type).  
*anatinus* Markow, 1902, 1903a, 287, t. h. *Anas boschas dom.*—[1902: *Prosthogonimus*.] 1902: *Prosthogonimus*.  
*anatis* Schrank, 1788, xvi, 164, t. h. ducks.—1788: *Festucaria* [type]. 1790: Fasc. 1800: Dist. [1815: *Monostomus*, type.] [1850: Dist. *echinatum*.] [1892: *Echinost. echinatum*.] [1901: ? *Echinost. echinatum*.]  
*anatis* Rud., 1819a, 793, for *anatis querquedula* (*Amphist.*).  
*anatis domesticæ* Rud., 1809a, 431 (*Hirudo fasciolaris* Mueller, 1788, Fasc. *anatis* Bruguière, 1791, renamed).—1809: Dist. [1850: Dist. *ovatum*.]  
*anatis fuscæ* Viborg, 1795, 243, t. h. *Anas fusca*; Copenhagen.—1795: Dist.  
*anatis nigræ* Dies., 1858e, 322, t. h. *Anas nigra*.—1858: Holost.  
*anatis querquedula* Rud., 1819a, 92, t. h. *Anas querquedula*; Cat. Ent. Vien.—1819: *Amphist.*  
*anatis tadornæ* Viborg, 1795, 196, t. h. *Anas tadorna*.—1795: *Strigea*. 1809: *Amphist.* [1814: *A. isostomum*.] [1845: Holost. *erraticum*.]  
*anceolatium* Braun, 1892a, 677, misprint for *lanceolatium* (Dist.).  
*anceps* Mol., 1859, 845, t. h. *Fulica atra*; Padua.—1859: Dist. 1892: *Echinost.*  
*anceps* Looss, 1899b, 629, t. h. *Machetes pugnax*; Marg, April.—1899: *Prymnoprion*. 1901: *Prosthogonimus*. [1902: *Prost. cuneatus*.]  
*anchoratus* Duj., 1845a, 480, t. h. "la carpe;" Europe.—1845: *Gyrodactylus*. 1857: *Dactylogyrus*. [1879: *D. auriculatus*.]  
*ancyli lacustris* Dies., 1855a, 400, based on Baer, 1827b, 656, t. h. *Ancylus lacustris*.—1855: Dist. 1855: *Cercariæum*.  
*andersoni* Cobbold, 1876, 46, t. h. *Platanista gangetica*.—1876: Dist. 1892: *D.* (*Brachylaimus*).  
*annelidicola* Mont., 1888, 88, for *annelidicola* (*Cyclatella*).  
*anguillæ* Gmelin, 1790a, 3056, t. h. *Anguilla*; refers to Leeuwenhoek, 316, fig. 6.—1790: Fasc. 1803: Dist. [1819: ? *D. polymorphum*.]  
*anguillulæ* Dies., 1850a, 340, lapsus for *anguillæ* Abildg. and Zed.—1850: Dist.  
*anguis* Linst., 1885, 250, t. h. *Anguis fragilis*.—1885: Dist. 1895: *Agamodist.*  
*angulata* Mueller, 1774, 58, "in fundo arenoso oceani."—1774: Fasc. 1776: *Planaria*. —: *Amphiporus*.  
*angulatum* Duj., 1845a, 401 (not Fasc. *angulata* Mueller, 1776), t. h. *Anguilla*; Morbihan.—1845: Dist. (*Podocotyle* [type]). 1901: *Podocotyle*, type. [1905: see *Podocotyle atomon*.]  
*angusta* Rail., 1895, 338, see *hepatica angusta*.—1895: Fasc. *hepatica*. 1899: Fasc. [*F. gigantea*.]  
[*angusta* Muenster, 1842, 98.—*Hirudinella*. *Hirudella*. Leach.]



*angusticollis* Hausmann, 1896a, 391, t. h. *Cottus gobio*; Basel, Switzerland.—1896: Dist. 1899: *Creadium*. 1901: *Allocreadium*.

*angustum* Staff., 1900, 407, t. h. *Chrysemys picta*.—1900: Dist. 1905: *Telorchis*.

*angustum* Schlotthauber, 1860, 129, t. h. *Scolopax gallinago*.—1860: *Monost.*

*aniarum* Leidy, 1891a, 414, t. h. *Tropidonotus sipedon*.—1891: Dist.

*annelidicola* Ben. & Hesse, 1863, 1864a, 82, t. h. ? *Clymene*.—1863: *Cyclatella* (type). [1869: *Loxosoma*.]

*annulatum* Dies., 1850a, 386, t. h. *Gymnotus electricus*; Brazil.—1850: Dist. 1860: *Echinost.* 1892: Dist. (*Echinost.*).

*annulicauda* Bory, 1825b, 253.—1825: *Histrionella*.

*annuligerum* Nord., 1832, 53, t. h. *Flussbarsch*, *Perca fluviatilis*.—1832: Dist. 1886: D. (*Brachylaimus*).

*anodontæ* Osborn, 1898, 416, t. h. *Unio luteolus*, *Anodonta*; New York.—1898: *Platyaspis*. [1899: *Cotylaspis insignis*.]

*anonymum* Dies., 1858e, 341, based on Bellingham, 1844, 428, t. h. *Gadus æglefinus*, *G. euxinus*, *Merlangus carbonarius*, *M. vulgaris*; Ireland.—1858: Dist.

*anseris* Gmelin, 1790a, 3055; Fasc. *verrucosa* Frølich, 1789, renamed; t. h. *Anser domesticus*, rectum; Europe.—1790: Fasc. [1850: *Notocotyle seriale*.] [1861: *Monost. verrucosum*.] [1905: *Catantropis verrucosa*, type.]

*anthos* Braun, 1899b, 720, t. h. *Chelonix*; Yedo.—1899: Dist. 1901: *Calycodes* (type).

*anticum* Staff., 1905, Apr. 11, 693, t. h. *Vespertilio subtilis* Say; Canada.—1905: *Lecithodendrium*.

*apertum* Rud., 1819a, 108, t. h. *Apogon ruber* s. *Mullus imberbis*; Naples.—1819: Dist. 1845: D. (*Apoblema*).

*apiculata* Rud., 1803, 31; D. *stridulæ* Reich, 1801, renamed.—1803: Fasc. 1809: Dist. (*Echinost.*). 1860: *Echinost.*

*apiculatum* Olss., 1869, 4, t. h. *Acanthias vulgaris*; Skagerrack.—1869: *Microbothrium* (type). 1890: *Pseudocotyle*.

*apodis* Packard, 1882, 142, in egg-sacks of *Apus*.—1882: Dist.

*apolainum* Heymann, 1905, 91, t. h. *Kachuga tectum* (Gray) small int.—1905: Dist.

*appendiculata* Rud., 1802, 78, t. h. *Clupea alosa*, stomach; Europe.—1802: Fasc. 1808: Dist. [1809: *Hemiurus* (type).] 1845: Dist. (*Apoblema* [type]). 1847: *Apoblema*. 1896: *Hemiurus* (type).

*appendiculata* Frølich, 1802, 56 (not Rud., 1802) t. h. *Anas boschas*; Europe; see *papillatum* Rud., 1814a, 105, renamed *oxycephalum* Rud., 1819a, 98, 375.—1802: Fasc. [1814: Dist. *oxycephalum*.] [1850: Dist. *oxycephalum*.]

*appendiculata* Leidy, 1877, 202, t. h. *Helix arborea*.—1877: Dist. [1891: D. *centrapendiculatum*.]

*appendiculata* Kuhn, (1829c), 460, t. h. *Squalus catulus*.—1829: *Polyst.* 1840: *Hexabothrium* (type). 1850: *Onchocotyle* (type). 1879: *Hexathyridium*. 1890: *Octocotyle*. 1899: *Acanthonchocotyle* (type).

*apri* Gmelin, 1790a, 3054, see *hepatica apri*.—1790: Fasc. *hepatica*.

*aquilæ* Leidy, 1887, 24, t. h. *Haliaëtus leucocephalus*.—1887: Dist.

*arcanum* Nickerson, 1900, Oct., 811, in frogs.—1900: Dist. 1902: *Pleurogenes*. 1905: *Loxogenes* (type).

*arcticus* Odhn., 1905, 339, t. h. *Phoca barbata*; Spitzbergen.—1905: *Orthosplanchnus* (type).

*arcuata* Steenstrup, see Par., 1894, 164, t. h. *Lymnæa obscura*, *L. stagnalis*; Bologna.—Cerc.

*arcuata* Sons., 1890, 112, t. h. *Lichia amia*; Pisa.—1890: *Octocotyle*. 1890: *Octobothrium*. [1890: *Octocotyle striata*.]

*arcuatum* Brand., 1892b, 507, t. h. in aquatic birds [probably *Anas clangula*; Berlin].—1892: *Monost.* [1892: *Cyclocœlum*.] 1902: *Cyclocœlum*.

*arcuatum* Duj., 1845a, 410, t. h. *Corvus glandarius*; Rennes.—1845: Dist. (*Brachylaimus*).

*arcuatum* Lint., 1900, 277, t. h. *Sarda sarda*; Woods Hole.—1900: *Gasterost.*

*ardeæ* Gmelin, 1790a, 3055, t. h. *Ardea stellaris*, int.; Europe; *Planaria teres* pars Gœze, 1782a, renamed.—1790: Fasc. 1803: Dist. —: *Planaria*. [1850: Dist. *ferox*.]

- ardex minutæ* Pontallié, 1853.—Dist. (Cladocalium).
- ardex nigræ* Viborg (1795), see Rud., 1809a, index.—1795: Dist. [1809: *D. hians*.]
- ardex stellaris* Rud., 1809a, 432; Fasc. *ardex* Gmelin, 1790, renamed.—1809: Dist. [1850: *D. ferox*.]
- arenula* Crep., 1825a, 53, t. h. *Fulica atra*.—1825: Dist.
- areolatum* Rud., 1809a, 50, Fasc. *platessæ* Mueller, 1788, renamed; t. h. *Pleuronectes platessa*.—1809: Dist. 1886: *D. (Echinost.)*.
- aristotelis* Stoss., 1892, 14, *D. chilostomum* Mehlis of Ben., 1873b, t. h. *Rhinolophus hipposcrepis*, *Vespertilio murinus*, *V. desyncneme*, *V. daubentonii*, *V. emarginatus*, *V. mystacinus*, *Nannugo pipistrellus*.—1892: Dist. 1892: *D. (Brachylaimus)*.
- armata* Sieb., 1837, 187, based on Wagner, 1834, 131.—1837: Cerc. 1855: Cerc. (*Xiphidiocerc.*). 1858: *C. (Acanthocephala)*. [1858: Dist. *endolobum*.]
- armata* Rud., 1793a, 26; Fasc. *putorii* Gmelin, 1790a, renamed.—1793: Fasc. 1803: Dist. [1850: Dist. *trigonocephalum*.] [?1892: *Echinost. echinatum*.]
- armata minor* Ben., 1858, 98, t. h. *Lymnæus stagnalis*; Belgium.—1858: Cerc. [1859: Dist. *retusum*.]
- armatissimum* Linst., 1903, 280, t. h. *Iguana* sp.—1903: Dist.
- armatum* MacCallum, 1895, 401, see *isoporum armatum*.—1895: Dist. *isoporum*. [See also *Creadium*.]
- armatum* Mayer, 1841, 4, *Echinorhynchus* renamed.—1841: Monost.
- armatum* Leuck., 1835, 88, t. h. *Acipenser rostratus*.—1835: *Diclybothrium* (type). 1835: *Diclybothrium*. 1842: *Diplobothrium* (type). 1845: *Polyst. (Hexacotyle)*.
- armatum* Molin, 1858, 130 (not Rud. 1793), t. h. *Phasianus gallus*; Patavii.—1858: Dist. [1896: *Echinost. echinatum*.]
- armatum* Mol., 1859, 291, t. h. *Conger conger*; Batavii.—1859: *Gasterost.*
- armatum* Fuhrmann, 1904, 61, t. h. *Rostrihamus sociabilis*.—1904: *Echinost.*
- armatum paludina impuræ* Fil., 1857c, pl. 2, figs. 14–15.—1857: Dist.
- arrectum* Duj., 1845a, 403, t. h. "lézard vert;" Rennes.—1845: Dist. (*Brachycœlium*). 1895: *D. (Dicrocœlium)*.
- arrectum* Duj., of Mol., 1859, 831, misdetermined.—1859: Dist. [1899: *Telorchia*.] 1904: *Telorchis*.
- ascidia* Rud., 1819a, 108, t. h. *Sparus boops* and *S. pagrus*; Arimini and Naples.—1819: Dist. 1903: *D. (Brachylaimus)*.
- ascidia* Ben., 1873, 328, not Rud., 1819a; see *lagena* Brand., 1888, not Rud., 1819a.—1873: Dist. 1892: *D. (Dicrocœlium)*. [1896: *Lecithodendrium*.] 1899: *Lecithodendrium* (type).
- ascidiæ* Dies., 1858e, 373, t. h. *Mentula marina*.—1858: *Aspidogaster*.
- ascidioides* Ben., 1873, 332, t. h. *Vesperugo noctula*.—1873: Dist. 1892: *D. (Brachylaimus)*. 1899: *Lecithodendrium*. 1902: *D. (Lecithodendrium)*. [1905: *Lec. chilostomum* Mehlis.]
- ascoidea* Leidy, 1877, 201, t. h. *Planorbis parvus*.—1877: Dist. (*Gymnocephala*).
- asper* Looss, 1899b, 601, separated from *variegatus*.—1899: *Hæmatolæchus*. 1905: *Pneumonæces*.
- asperum* Dies., 1838a, 189, t. h. *Tapirus americanus*; 1839, 236, Matogrosso and Cachoeira do Bananeira, South America.—1838: *Amphist.* 1901: *Cladorchis*.
- asperum* Nitzsch, in Crep., 1849a, 71, t. h. *Anas fuligula*.—1849: Monost.
- asperum* Vaillant, 1863, 347, t. h. *Siren lacertina*.—1863: Monost. 1892: *Monostomulum*.
- asperum* Wright, 1879, 57, t. h. *Ardea minor*.—1879: Dist. 1892: *Echinost.* 1903: *Pegosomum*.
- asperus* Stoss., 1904, 1, t. h. *Plecotus auritus*; Grignana, Istria.—1904: *Plagiorchis*.
- aspidophori* Ben., 1870, 34, t. h. *Aspidophorus europæus*.—1870: Dist.
- assula* Duj., 1845a, 398, t. h. *Coluber natrix*; Toulouse.—1845: Dist. (*Dicrocœlium*).
- asymphyloporum* Stoss., 1901, 96, t. h. *Trutta trutta*; Lake Plitvica, Croatia.—1901: *Allocreadium*.
- atomata* Bosc, 1802a, v. 1, 260.—1802: *Planaria*.
- atomon* Rud., 1802, 70, t. h. *Pleuronectes flesus*, stomach; Greifswald, Europe.—1802: Fasc. 1809: Dist. 1886: *D. (Dicrocœlium)*. 1901: *Allocreadium*. 1905: *Po-docotyle* (type).

- atriventre* Weinland, 1856, 24, t. h. *Physa heterostropha*.—1856: Dist.
- attenuata* Staff., 1902, 418, t. h. *Rana catesbiana*, *R. virescens*; Canada.—1902: Gorgoderina. 1905: Gorgoderina.
- attenuatum* Rud., 1809a, 328, t. h. *Scolopax gallinago*; Greifswald.—1809: Monost. (Monost.). [Notocotyle verrucosum.]
- attenuatum* Rud., 1814a, 103, Fasc. longicollis Abildg., renamed; later renamed Dist. naja Rud., 1819a, 377.—1814: Dist.
- attenuatum* Duj., 1845a, 392 [nec Rud.], t. h. *Turdus merula*; Rennes.—1845: Dist. (Dicrocoelium). 1900: Dicrocoelium. [1850: D. macrourum.]
- attenuatum* Bremser, MS., in Braun, 1901f, 563, t. h. *Rhynchops nigra*; Brazil.—1901: Dist. [1901: Microlistrum spinetum.]
- attenuatum* Dies., 1836d, 238, t. h. *Salmo paccu*; Caiçara, Brazil.—1836: Amphist.
- attenuatum* Linst., 1906, 11, t. h. *Buteo vulgaris*.—1906: Hemist.
- augusticaudum* Staff., 1904, 488, t. h. *Lota maculosa*, *Stizostedion vitreum*; Canada.—1904: Mimodist. (type).
- augustus* Staff., 1905, Apr. 11, 690, for angustum 1900.—1905: Telorchis.
- aurantiaca* Haswell, 1900, 431, t. h. *Astacopsis* sp.—1900: Temnocephala.
- auricularis* Wedl, 1857, for auriculatus (*Gyrodactylus*).
- auriculata* Bosc, 1802a, v. 1, 261.—1802: Planaria.
- auriculatum* Wedl, 1857, 242, t. h. *Acipenser ruthenus*.—1857: Dist. 1886: D. (Crossodera). 1903: Bunodera.
- auriculatum* Wedl of Lint., 1898, 521.—1898: Dist. [1904: *Acrodactyla petalosa* (type of A.).]
- auriculatus* Nord., 1832, 108, t. h. *Cyprinus brama*.—1832: *Gyrodactylus*. 1850: *Dactylogyrus* (type).
- auriflavum* Mol., 1859, 287, t. h. *Ardea nycticorax*; Batavii.—1859: Diplost.
- auritum* Duj., 1845a, 370, t. h. *Strix flammea*; Rennes.—1845: Holost. 1850: Hemist.
- auxis* Tasch., 1879, 613, t. h. *Auxis rochei*; Naples.—1879: Didymozoon.
- azenos* Mont., 1898; or 1899, 83, t. h. unknown; Brazil.—1899: Temnocephala.
- baccigerum* Rud., 1819a, 108, t. h. *Atherina hepsetus*; Naples.—1819: Dist.
- bacillare* Mol., 1859, 834, t. h. *Centrolophus pompilius*; Batavii.—1859: Dist. 1886: D. (Dicrocoelium). [1899: *Creadiinae*, ? *Creadium*.]
- baculifer* Braun., 1900, 28, t. h. *Didelphys palmata*; Brazil.—1900: Rhopalias.
- baculum* Lint., 1905, 327, t. h. *Scomberomorus maculatus*; Beaufort, N. C.—1905: Gasterost.
- baculus* Dies., 1850a, 391, D. mergi 1819 renamed, t. h. *Mergus albellus*.—1850: Dist. 1860: Echinost.
- badia* Rathke, 1799, 147.—1799: Plan.
- baelzi* Cobbold, 1884g, 976, D. pulmonale Baelz renamed, t. h. *Homo*.—1884: Dist. [Paragonimus, type].
- bagri incapsulatum* Wedl, 1861, 479, t. h. *Bagrus* sp.—1861: Dist.
- baraldii* Sons., 1892, 91, t. h. *Zamenis viridiflavus* Lacep.—1892: Dist. 1895: D. (Brachylaimus).
- barbata* Linn., 1761, 505, t. h. *Loligo*; Sweden.—1761: Fasc. [1779: *Echinorhynchus*.] 1809: Dist. [1809: *Tetrabothriorhynchus migratorius*, cestode.] [1819: *Tetrarhynchus megabothrius*.] 1853: *Tetrabothriorhynchus*. [1905: *Tetrarhynchus*.]
- barbatum* Cohn, 1902k, 47, t. h. *Coryphæna*.—1902: *Lecithocladium*. 1907: *Dinurus*.
- baryurum* Staff., 1903, 822, t. h. *Necturus maculatus* Raf.; Canada.—1903: Monocæcum (type).
- bathycotyle* Fischder., 1901, 368, t. h. *Bos kerabau*; Ceylon.—1901: Paramphist.
- batis* Cerf., 1899a, 376, t. h. *Raja batis*.—1899: *Rajonchocotyle* (type).
- batryophoron* Ben., 1870, 51, for botryophoron (Dist.).
- beleocephalum* Linst., 1873, 104, t. h. *Ardea cinerea*.—1873: Dist. 1892: Echinost. [bellii, reptile (*Bucephalus*).]
- bellinghamii* Cobbold, 1860a, 45, falconum Dies., renamed, t. h. *Falco nisus*, *F. rufus*.—1860: Holost.
- bellones* Otto, 1823, 300, t. h. *Bellone acus*; Naples.—1823: *Cyclocotyla* (type). 1837: *Cyclocotyle* (type). 1840: *Octobothrium*.

- belones* Nord., 1840, 500, for *bellones* Otto (*Octobothrium*).  
*belones* Crep., 1839, 291, for *bellones* Otto (*Cyclocotyla*).  
*belones* Braun, 1893, 871, t. h. *Belones vulgaris*; based on Wedl. 1855, 382-383.—1893: Dist.  
*belones* Abildg., 1794d, 59, t. h. *Belone acus*.—1794: *Axine* (type).  
*belones vulgaris* Dies., 1855, 64, t. h. *Belone vulgaris*; Triest; based on Wedl. 1855, 382-383.—1855: Dist.  
*benedeni* St.-Remy, 1898, 566, for van *benedeni*.—1898: *Dactylogyrus*.  
*benedeni* Stoss., 1898, 51, for *benedenii*.—1898: Dist. 1902: *Haploporus* (type).  
*benedeni* Mont., 1893, see *benedenii*.—1904: *Nematobothrium* (*Didymozoon*).  
*benedeni* St.-Remy, 1898, 566, for van *benedenii* (*Tetraonchus*).  
*benedenii* Stoss., 1887, 95, t. h. *Mugil chelo*.—1887: Dist. 1902: *Haploporus* (type).  
*benedenii* Mont., 1893, 137, t. h. *Orthagoriscus*.—1893: *Didymozoon*.  
*bergeus* Olss., 1868, 43, t. h. *Anguilla vulgaris*.—1868: Dist. 1886: *D. (Brachylaimus)* [1905: *Lecithaster gibbosus*.]  
*bergi* Par., 1900, 193, t. h. *Raja planata*; Montevideo.—1900: Fasc.  
*beroës* Will., 1844, 343, t. h. *Beroës rufescens*; Triest.—1844: Dist. [1850: *D. papillosum*.]  
*belencourti* Mont., 1892b, 127; 1893, 33, t. h. *Scyllium*; Boulogne.—1893: Dist. 1899: *Pleurogenes*.  
*bicornis* Bosc., 1802a, v. 1, 257.—1802: Plan.  
*bicronatum* Stoss., 1883, 113, t. h. *Ciconia nigra*.—1883: Dist. 1886: *D. (Echinost.)*. 1901: *Stephanochasmus*. 1902: *Echinost.*  
*bifasciata* Haswell, see Mont., 1889, 2.—1889: *Temnocephala*.  
*bifurcatum* Wedl., 1861, 477, t. h. *Crocodilus vulgaris*; Egypt.—1861: Dist. 1888: *Diplost.*  
*bifurcum* Braun, 1899, 631, t. h. *Flusschildkröten*.—1899: Dist. 1901: *Telorchis*.  
*bijugum* Braun, 1901g, 896, t. h. *Himantopus melanopterus*; Brazil.—1901: *Stomylostrema*.  
*bijugum* Miescher, (1838a), pp. 28, 1 pl., t. h. *Fringillidae*.—1838: *Monost.* [1840] *Monost. faba*.]  
[*bilamellatæ*, see sub Fasc.]  
*bilharzii* Herff, 1894, 415, for *hematobium*.—1894: Dist. [*Schistosoma*.]  
*bilineata* Haldeman, 1840a, 3, t. h. *Limnea catascopium*; Camden on Delaware.—1840: *Cerc.* 1850: *Histrionella*.  
*biliosum* Leidy, 1858, 111, in a fish; America.—1858: Dist.  
*bilis* Braun, 1790, 61, t. h. *Falco melanaëtus*; Germany.—1790: Plan. 1790: Fasc. 1803: Dist. [1809: Dist. *crassiusculum*.] 1898: *Campula*.  
*billis* Bosc., 1802a, v. 1, 269, for *bilis* 1790 (*Fasciola*).  
*bilobum* Rud., 1819a, 114, t. h. *Tantalus falcinellus*; Mus. Vien.—1819: Dist. (*Echinost.*) 1860: *Echinost.*  
*bilobus* Looss, 1901, 569, t. h. *Chelone mydas*; Egypt.—1901: *Pleurogonius*.  
*binodis* Mueller, 1776, 224, in intest. of fish.—1776: Fasc. 1803: Dist.  
*biparasiticum* Goto, 1894a, 251, t. h. *Parapetalus*, *Thynnus albacora*; Japan.—1894: *Trist.*  
*bipartita* Sons., 1897, 253, t. h. *Limnea palustris*; Pisa.—1897: *Cerc.*  
*bipartitum* Wedl. 1855, 378, t. h. *Thynnus vulgaris*.—1855: *Monost.* 1860: *Wedlia* (type). [1878: *Didymozoon* (type).] 1893: Dist. 1902: *Didymost.* (type).  
*biró* Mont., 1905, 21, t. h. *Sesarma gracilipes* A. Edw.; Sattelberg, New Guinea.—1905: *Craniocephala* (type).  
*blainvillei* Cobbold, 1860a, 39, *M. delphini* Blainv., renamed.—1860: *Monost.*  
*blanchardi* Stoss., 1898, 61, t. h. *Labrax lupus*; Triest.—1898: *Gasterost.*  
*blanchardi* Tasch., 1878, 564, for *blanchardii* (Trist.).  
*blanchardi* Haswell, 1893f, 153, corrigendum, t. h. *Engaeus fossor*; Grippsland, Victoria, Australia.—[1893: *Actinodactylus*.] 1893: *Actinodactylella*.  
*blanchardii* Cobbold, 1860a, 8, *Brachylemus erinacei* Bl., 1847, renamed, t. h. *Erinaceus europæus*; Paris.—1860: Dist. [1892: *D. linguæforme*.]

- blanchardii* Dies., 1850a, 430, *T. squali* E. Bl., 1847, renamed, t. h. *Squalus* sp.; New Zealand.—1850: Trist.
- blennii* Mueller, 1776, 224, t. h. *Blennius viviparus*.—1776: Fasc. 1803: Dist. [1809: *D. divergens*.]
- blicca* Linst., 1877, 185, t. h. *Blicca bjoerkna*.—1877: Dist.
- bolodes* Braun, 1902b, 11, t. h. *Fulica atra*; Rossitten.—1902: Dist.
- bombynx* Zed., 1800a, xvi, t. h. *Rana bombyna*, lungs; Europe.—1800: Monost. [1894: Dist. *variegatum*.]
- bomfordi* Montgomery, 1906, 143, t. h. *Bos indicus*; India.—1906: Schistosoma.
- bonnier* Mont., 1893, 40, t. h. *Trigla gurnardus*; Wimereux.—1893: Dist. 1899: Liopyge (type). [1902: *Liocerca* (type).]
- borcalis* Sons., 1890, 177, misprint for *borealis* (*Onchocotyle*).
- borealis* Olss., 1893, 7, t. h. *Thymallus vulgaris*, *Coregonus lavaretus*; Scandinavia.—1893: *Dactylodiscus* (type). 1905: *Tetraonchus*.
- borealis* Ben., 1853l, 59, t. h. *Scimnus glacialis*.—1853: *Onchocotyle*. 1857: Polyst. 1899: *Squalonchocotyle* (type).
- boschadis* Schrank, 1790, 122.—1790: *Festuc*.
- boschadis* Schrank, 1803, 209, t. h. *Anas boschas sylvestris*, A. b. dom.—1803: Fasc.
- bosci* Cobbold, 1859d, 364, includes Fasc. *colubri* Bosc, Dist. *colubri americani* Rud., t. h. *Coluber* sp.—1859: Dist. 1895: *D. (Dicrocoelium)*. [1905: *Zeugorchis*.]
- bosci* Cobbold, 1879, 455, for *bosci*.—1879: Dist. 1895: *D. (Dicrocoelium)*.
- bothriophoron* Braun, 1892f, 49, t. h. *Bos indicus*; Madagascar.—1892: Amphist. 1901: Parmaphist.
- bothriophoron* Stiles, 1898a, 24, for *bothriophoron* (Amphist.).
- bothriophoron* Braun, 1892a, 700, for *botryophoron* (Dist.).
- bothriophorus* Olss., of Looss, 1899b, 728, renamed *confusus* 1905.—1899: *Hemius*. 1901: *Lecithaster* (type).
- botryophoron* Olss., 1868, 42, t. h. *Cyclopterus*.—1868: Dist. 1886: *D. (Brachylaimus)*. 1905: *Lecithophyllum* (type).
- botryophorum* Odhn., 1905, 359, for *botryophoron* Olss., 1868.—1905: *Lecithophyllum* (type).
- botryophorus* Odhn., 1905, 357, for *bothriophorus* of Looss, 1899 (*Hemius*).—1905: *Lecithaster*. [*L. confusus*.]
- boum* Gmelin, 1790a, 354.—1790: Fasc. *hepatica*.
- boris* Sons., 1876, 84, t. h. *Bos taurus*; Egypt.—1876: Bilharzia. 1893: *Gynæcophorus*. 1895: *Schistosoma*.
- brachycalia* Luehe, 1901d, 51, t. h. *Box salpa*; Genua.—1901: *Mesometra*.
- brachycalium* Cohn, 1903, 39, host not given.—1903: Amphist.
- brachydelphium* Heymann, 1905, 81, t. h. *Dermatemys mavii*.—1905: *Patagium* (type).
- brachysoma* Villot, 1878, 27, t. h. *Anthurus gracilis* Leach.—1878: Cerc. [1888: Dist *brachysoma*.]
- brachysomum* Crep., 1837a, 314, t. h. *Hæmatopus ostralegus*.—1837: Dist. 1892: *D. (Brachycœlium)*. 1899: *Levinsenia* (type). 1901: *Levinseniella* (type).
- brachyura* Fil., 1837a, 337, t. h. *Planorbis submarginatus*; Pavia. See next entry.—1837: Cerc.
- brachyura* Dies., 1850a, 296, Dist. *polymorphum* Fil., 1837a, 337, renamed; t. h. *Planorbis submarginatus*; Ticini.—1850: Cerc. 1855: Cerc. (*Eucerc*). 1858: *C. (Acanthocephala)*.
- brachyura* Lespès, 1857b, 117, t. h. *Trochus cynereus*.—1857: Cerc. [1858: *C. (Acanthocephala) pachycerca*.]
- brachyurum* Linst., 1905, 418, 422, misprint for *baryurum* (*Monocœcum*).
- brama* Mueller, 1776, 224, t. h. *Cyprinus brama*.—1776: Fasc. 1803: Dist. [1809: Dist. *globiporum*.] [*Sphærost.*.]
- brama* Par. & Perugia, 1896, 1, t. h. *Brama rayi*; Genova.—1896: *Octobothrium*. 1898: *Octocotyle*.
- branchialis* Vallot, 1840.—1840: *Astacobdella* (type).
- branchialis* Darr, 1902, 644, t. h. mackerel; German East Africa.—1902: *Bathycotyle* (type).

- braunii* Cobbold, 1860a, 43, *M. murænulae* renamed, t. h. *Coregonus murænula*.—1860: Monost.
- brasilianum* Stoss., 1902b, 15, t. h. *Scolopax flaviceps*; Brazil.—1902: Cyclocœlum.
- brevicaudata* Piana, 1882, teste Parona, 1894, 161, t. h. *Helix carthusiana*; Reggio Em.—1882: Cerc.
- brevicaudatum* Nord., 1832a, 52, t. h. *Barbus communis*; Berlin.—1832: Holost. 1850: Diplost.
- brevicollis* Crep., 1829, 54, t. h. *Hæmatopus ostralegus*; Greifswald.—1829: Dist. 1892: D. (Dicrocœlium). 1902: Psilost.
- brevicornis* Mont., 1889, 1, t. h. *Hydromedusa maximiliani*, *Hydraspis radiolata*; Brazil.—1889: Temnocephala.
- breviplexus* Staff., 1902, 901, t. h. *Rana catesbiana*, *R. virescens*; Canada.—1902: *Hæmatolœchus*. 1905: *Pneumonœces*.
- brunnea* Mueller, 1774, 54.—1774: Fasc. 1776: Planaria.
- brunnea* Dies., 1850a, 296, Cerc. III Baer, renamed; t. h. *Limnæus stagnalis*; Regio-montii.—1850: Cerc. 1855: C. (Eucerc.). 1858: C. (Gymnocephala.) [1858: Dist. echinata.]
- brunnea* var. Dies., see Erc., 1881e, 12.—[1881: Cerc. alba.]
- brusinae* Stoss., 1889, 25, t. h. *Oblata melanura*; Triest.—1889: Dist. 1899: *Pleurogenes*. [1904: *Diphterostomum* (type).]
- brusinae* Looss, 1901, 399, for *brusinae* 1889.—1901: Dist. 1903: D. (*Brachycæcum*). [1904: *Diphterost.* (type).]
- buccatus* Nicoll, 1907, 72, t. h. *Hippoglossus vulgaris*; Scotland.—1907: *Stephanochasmus*.
- buccini* Fil., 1855b, 23.—1855: Dist.
- buccini mutabilis* Fil., 1855b, 17, t. h. *Buccinum mutabilis*; Gulf of Genoa.—1855: Dist. 1855: Cerc. 1858: C. (*Acanthocephala*).
- bucephalus* Erc., 1881e, 40, t. h. *Unio pictorum*.—1881: Cerc.
- buchholzii* Braun, 1889a, 320, lapsus for "Fasc. hepatica. ovata plana, Buchholzii," see lanceatum.—1889: Fasc.
- bufonis* Linst., 1877, 185, t. h. *Bufo vulgaris*.—1877: Dist.
- bulbosum* Brand., 1888a, 67, t. h. *Geronticus albicollis*, *Naucleus furcatus*; Mus. Vien.—1888: Holost.
- bumpusii* Lint., 1900a, 267, t. h. *Dasyatis centrura*; Woods Hole, Mass.—1900: *Epibdella*. 1903: Phylline.
- bursæ fabricius* Podwysoski, 1890, 157, t. h. *Gallus domesticus*.—1890: Dist.
- bursarium* Nitzsch, in Giebel, 1857, 265, t. h. *Falco peregrinus*.—1857: Holost.
- bursicola* Crep., 1837, 310, t. h. *Ardea cinerea*.—1837: Dist. [Echinost. cloacinum.]
- bursicola* Odhn., 1900, 14, t. h. *Somateria mollissima*; Sweden.—1900: *Gymnophallus*.
- bursicola* Looss, 1899b, 694, t. h. *Milvus parasiticus*, *Falco tinnunculus*; Africa. See also africanum 1901.—1899: Echinost.
- bursigerum* Brand., 1888, 65, t. h. *Larus ridibundus*; Mus. Vien.—1888: Holost.
- buski* Bl., 1888a, 622, for *buskii* q. v.—1888: Dist. 1888: *Dicrocœlium*. 1893: D. (*Dicrocœlium*). 1895: Dist. 1895: *Opisthorchis*. 1902: *Fasciolopsis*.
- buskii* Lankester, 1857, 437, t. h. *Homo*; Asia.—1857: Dist. 1858: *Dicrocœlium*. 1895: *Opisthorchis*. 1901: *Fasciolopsis* [type].
- buteonis* Gmelin, 1790a, 3054, t. h. *Falco buteo*; Europe.—1790: Fasc. [1782: Plan.]. 1803: Dist.
- cacozelus* Nicoll, 1907, 72, t. h. *Pleuronectes limanda*, *Hippoglossus vulgaris*.—1907: *Derogenes*.
- caduceus* Odhn., 1902, 26, t. h. *Krokodil*; Sudan.—1902: *Oistosomum* (type).
- caducus* Looss, 1901e, 603, t. h. *Gadus minutus*, *Lophius piscatorius*; apparently Triest.—1901: *Stephanochasmus*.
- cæca* Haswell, 1900b, 432, t. h. *Phreatoicopsis* n. sp.; Victoria.—1900: Temnocephala.
- [*cæruleum* Sluiter, 1898, 4, a tunicate (Dist.).]
- cahirinum* Looss, 1896, 119, t. h. *Bagrus bayad*; Cairo, Egypt.—1896: Dist. 1899: *Haplorchis*.
- calceolus* Mol., 1858, 129, t. h. *Conger conger*; Patavii.—1858: Dist. 1886: D. (*Dicrocœlium*).

- calceostoma* Wagener, 1857, 99, t. h. *Sciæna aquila*.—1857: *Dactylogyrus*. [1858: *Calceost. elegans*, type.] 1907: *Calceost.* type.
- calicophorum* Fischder., 1901, 370, t. h. *Bos taurus*; East Africa, Capland, Queensland, China.—1901: *Paramphist.*
- calidris* Rud., 1819a, 120, t. h. *Scolopax calidris*.—1819: *Dist.* [1850: *Monost. mutabile*.] [1886: *D. brachysomum*.]
- caligarum* Tasch., 1878, 564, for *caligorum* (*Udonella*).
- caligi* Kroyer, ———. ———: *Phylline*. 1858: *Udonella*. [1858: *Udonella caligarum*.]
- caligi* Ben., 1858a, 189, for *caligorum*.
- caligorum* Johnston, 1835, 497, t. h. *Caligus* on *Hippoglossus vulgaris*.—1835: *Udon. Ha* (type).
- callionymi* Ben., 1870, 53, t. h. *Callionymus dracunculus*.—1870: *Dist.*
- calyptrocotyle* Mont., 1891, 110, t. h. *Beroë ovata*.—1891: *Dist.* 1893: *D. (Accacœlium.)* [1900: *Accacœlium*.] 1902: *Orophocotyle*.
- campanulatum* Rivolta, 1884, 27, for *campanulatum* (*Dist.*).
- campanula* Duj., 1845a, 435, t. h. *Esox lucius*; Rennes.—1845: *Dist.* (*Crossodera*). [1850: *D. nodulosum*.] 1860: *Crossodera*. [1858: *Gasterost. fimbriatum*.] 1886: *D. (Echinost.)*.
- campanula* Linst., 1886a, 125, for *campula* Cobbold.—1886: *Dist.* [1892: *D. oblongum*.]
- campanulatum* Erc., 1874, 432, t. h. *Canis familiaris*.—1874: *Dist.*
- campula* Cobbold, 1876, 40, *oblonga* (*Campula*) renamed.—1876: *Dist.* 1899: *Metorchis*. 1899: *Opisthorchis*.
- canaliculatum* Rud., 1819a, 676, t. h. *Sterna* sp., *galericulata* teste Dies.; Brazil.—1819: *Dist.* 1902: *Bilharziella*.
- canaliculatum* Mehlis in Crep., 1846, 138, t. h. *Colymbus cristatus*.—1846: *Dist.*
- cancri locustæ* Rud., 1810a, 288.—1878: *Trematodum*.
- candida* Mueller (or Abildg.), 1806a, v. 4, 32.—1806: *Strigea*. [1850: *Holost. erraticum*.]
- candida* Mueller, 1774, 71, in littore Grœnlandiæ sub lapidibus.—1774: *Fasc.* 1776: *Planaria*. ———: *Tetrastemma*.
- canicula* Cerf., 1899a, 374, *Onchocotyle appendiculata* Kuhn of Stoss., 1877, renamed; t. h. *Scyllium canicula*.—1899: *Acanthonchocotyle*.
- canis* Cerf., 1899a, 375, t. h. *Galeus canis*; Roscoff.—1899: *Squalonchocotyle*. 1900: *Onchocotyle*.
- canthari* Ben. & Hesse, 1863, 113; 1864, 113, t. h. *Cantharus griseus*.—1863: *Microcotyle*.
- caouana* Koll. in Braun, 1901b, 23, t. h. *Thalassochelys caouana*, int.—1901: *Monost.* [1901: *Enodiotrema megachondrum*.]
- capense* Looss, 1902m, 855, "*Anaporrhutum ricchiardii* Lopez" of Ofenh., renamed.—1902: *Probolitrema*.
- capense* Harley, 1864a, 55, t. h. *Homo*; Cape of Good Hope.—1864: *Dist.* 1864: *Bilharzia*.
- capitata* Bosc, 1802a, v. 1, 261; Baltic Sea.—1802: *Planaria*.
- capitata* Mueller, 1774, 70.—1774: *Fasc.* 1776: *Planaria*.
- capitellatum* Rud., 1819a, 83, 343, t. h. *Sparus salpa*; Naples.—1819: *Monost.* (*Monost.*).
- capitellatum* Rud., 1819a, 99, t. h. *Uranoscopus scaber*; Arimini and Naples.—1819: *Dist.* 1900: *Anisocœlium* (type).
- capriciosa* Cuénot, 1892, in 1-23, t. h. *Synapta inherens* teste Braun, 1893b, 183.—1893: *Cerc.*
- capsulare* Dies., 1858c, 355, based on Wedl, 1857, v. 26, 247, pl. 1, fig. 8, t. h. *Ardea purpurea*, *A. nycticorax*, *A. cinerea*, *Gallinula crex*, *Podiceps nigricollis*.—1858: *Dist.* 1892: *Agamodist.*
- capsularia* Sons., 1892, 7 Oct., 144, t. h. *Cleopatra bulimoides*; Cairo, Egypt.—1892: *Cerc.*
- capyristes* Klein, 1905, 60, t. h. *Rana hexadactyla*.—1905: *Pneumonœces*.
- carbonarii* Cerf., 1895h, 929.—1895: *Dactylocotyle*.
- carinarie* delle Chiaje, (1841a), 139.—1841: *Dist.*

- carinatum* Zed., 1803a, 217, cyprinaceum Zed., 1800, renamed.—1803: Dist. [1809: D. globiporum, pars D. inflexum.]
- carnea* Rathke, 1799, 83.—1799: Planaria.
- carnosa* Haas., 1891a, 208, in *Bos taurus*; U. S. A.—1891: Fasc. 1892: Dist. 1892: D. (Fasc.). [See *americanum*.]
- carnosum* Rud., 1819a, 93, t. h. *Sparus dentex*; Naples.—1819: Dist. 1886: D. (*Brachylaimus*).
- carolinæ* Stoss., 1889, 26, t. h. *Alausa finta*; Triest.—1889: Dist. [1891: *Apoblema ocreatum*.] 1899: *Pronopyge*. [1899: *Pronopyge ocreata*, type.]
- caryocatactis* Zed., 1800a, 163, t. h. *Corvus caryocatactes*; Europe.—1800: Dist. [1850: D. caudale.] [1902: *Harmost. caudale*.]
- caryophyllacea* Rud., 1810a, 353 for *caryophyllina* (*Festucaria*).
- caryophyllata* Bory de St. Vincent, 1823a, 354, in infusions de chènevis.—1823: Cerc.
- caryophyllina* Rud., 1802, 66, t. h. *Gasterosteus aculeatus*; Greifswald.—1802: *Festuc.* 1803: *Monost.* 1809: M. (*Hypost.*). 1828: *Hypost.* (probably type). 1845: *Monost.*
- caryophyllum* Dies., 1850a, 317, t. h. *Falco pileatus*; Rio Parana, Brazil.—1850: *Eustemma* (type). [1888: *Holost. eustemma*.]
- caryophyllum* Mont., 1892, 717, for *caryophyllum* (*Monost.*).
- catellina* Mueller, 1786, 130, in aqua fossarum, ubi Lemna.—1786: Cerc. 1815: *Furcocerca*. 1827: *Dicranophorus*.
- catellus* Mueller, 1773, 65, in aqua [etc., see p. 124.].—1773: Cerc. 1815: *Furcocerca*. 1827: *Dicranophorus*.
- catervarium* Looss, 1896, 118, t. h. *Aloea finta*; Cairo, Egypt.—1896: Dist.
- cattoi* R. Bl., in Catto, 1905, 70; 1905, 11, t. h. *Homo*; China.—1905: *Schistosoma*. [S. japonicum.]
- caudale* Rud., 1809a, 382, *caryocatactis* Zed., 1800, renamed, t. h. *Corvus caryocatactes*.—1809: Dist. 1901: *Harmost.*
- caudale* from *Pyrrhocorax alpinus*.—1809: Dist. [1902: *Harmost. mesostomum*.]
- caudale* of Mueller, 1897, 16, in *Coracias garrula*.—1897: Dist. [1902: *Urogonimus macrostomus*.]
- caudata* Goto, 1894, 186, t. h. *Sebastes* sp.; Japan.—1894: *Microcotyle*.
- caudata* Bosc, 1802a, 271, t. h. dorade.—1802: Fasc. [1809: Dist. *coryphænæ*.] [1819, 1850: D. tornatum.] 1859: Dist.
- caudata* Mueller, 1774, 70.—1774: Fasc. 1787: Planaria.
- caudatum* Polonio (1859), t. h. *Natrix torquata*, *Tropidonotus viperinus*; Padua.—1859: Dist. 1896: D. (*Opisthorchis*).
- caudatum* Linst., 1873, 103, t. h. *Erinaceus europæus*.—1873: Dist. 1892: D. (*Brachylaimus*). 1899: *Heterolope*. [1899: D. *leptostomum*.]
- caudiporum* Rud., 1819a, 96, t. h. *Zeus faber*; Arimini.—1819: Dist. 1845: D. (*Apo-blema*). 1901: *Lecithochirium*. 1907: *Synaptobothrium*.
- cavatica* Fries.—Planaria.
- caviæ* Bosc, 1811, 269.—1811: *Tetrágulus*. 1829: *Linguatula*.
- caviæ* Sons., 1890, 100, t. h. *Cavia cobaya*.—1890: Dist. 1893: Fasc. *hepatica*.
- cellulosa* Looss, 1896b, 227, t. h. *Melania tuberculata* Bourg.; near Alexandria, Egypt.—1896: Cerc.
- centra appendiculatum* Leidy, 1904a, 277, misprint for *centrappendiculatum* (Dist.).
- centrappendiculatum* Leidy, 1891a, 416, *appendiculatum* Leidy, 1877, 202 [not Rud.] renamed.—1891: Dist.
- centrodes* Braun, 1901g, 941, t. h. *Tinamus variegatus*; Brazil.—1901: *Harmost.*
- cephala* Risso, 1826, 262, t. h. *Tetraodon luna*; Europe.—1826: Trist. [1898: T. molæ.]
- cephalo* Kroyer, 1852–53a, 745, for *cephala* (Trist.).
- cercatum* Ben., 1858a, 179 [possibly lapsus for —? —].—1858: *Monost.*
- cercatum* Mont., 1893, 40, host and loc. unknown.—1893: *Urogonimus*. 1893: Dist.
- cercatus* Mont., 1893, 162, see *cercatum* (*Urogonimus*).
- cercopitheci* Cobbold, 1861e, 119, t. h. *Cercopithecus fuliginosus*.—1861: Cerc.
- cerebrale* Yamagiwa, 1890, 457, t. h. *Homo*; see *westermanii*.—1890: Dist. [*Paragonimus westermanii*.]



- cervi* Schrank, 1790, 123.—1790: Fasc. [1790: Festucaria.] 1833: Strigea. 1898: Amphist. 1901: Paramphist. (type).
- cervi* Zed., (1790), 65, t. h. Hirsch.—1790: Festucaria. See *cervi* Schrank.
- cervi* Gmelin, 1790a, 3054.—1790: Fasc. hepatica.
- cervi* Cobbold, 1861e, 119, t. h. *Cervus axis*.—1861: Cerc.
- cesti veneris* Vogt, —, 299, t. h. *Cestum veneris*.—Dist.
- ce. ticillus* Mol., 1858, 131, t. h. *Lophius piscatorius*; Patavii.—1858: Dist. 1886: D. (Echinost.). 1893: Echinost. 1899: Anoikstost. 1899: Stephanost. (type). [1901: Stephanochasmus, type.]
- cestoides* E. Ben., 1870, 17, t. h. *Raja batis*.—1870: Dist.
- cylindraceum* Looss, 1894a, 37, misprint for cylindraceum (Dist.).
- characis* Stoss., 1886, 26, t. h. *Charax puntazzo*; Triest.—1886: Dist. (Brachylaimus).
- chefrenianum* Looss, 1896, 73, t. h. *Rhinopoma microphyllum*; Ghizeh.—1896: Dist. 1899: Lecithodendrium.
- chefresianum* Looss, 1896, pl. 5, misprint for chefrenianum (Dist.).
- chelonix atræ* Braun, 1899e, 629, see pachyderma.—1899: Dist.
- chelonix imbricatæ* Dies., 1858e, 358, based on Bellingham, 1844, 340, t. h. *Chelonia imbricata*; Ireland.—1858: Amphist.
- chelydræ* Staff., 1900, 406, t. h. *Chelydra serpentina*.—1900: Dist. 1905: Auridist. (type).
- chelydræ* MacCallum, 1902, 632, t. h. *Chelydra serpentina*; Dunnville, Ontario.—1902: Heronimus (type).
- chiajæ* Tasch., 1879, 251, for chiajei (Solenocotyle).
- chiajæ* Mont., 1888, 89, for chiajei (Solenocotyle).
- chiajei* Dies., 1850a, 420, Polyst. loliginis Chiaje, 1823, renamed; t. h. *Loligo vulgaris*; Naples.—1850: Solenocotyle (type).
- chilensis* Gay, 1836, see next entry.—1836: Branchiobdella. 1850: Astacobdella.
- chilensis* Moquin-Tandon, teste E. Bl., 1849, 51, t. h. *cangregos*; Chili.—Branchiobdella. 1849: Temnocephala.
- chili* Osborn, 1903, 315, t. h. *Micropterus dolomieu*; Chautauqua, N. Y.—1903: Cryptogonimus (type).
- chilinsis* Mont., 1899, 113, for chilensis (Temnocephala).
- chilostomum* Mehlis, 1831, 186, t. h. *Vespertilio murinus* et al.—1831: Dist. 1892: D. (Dicrocoelium). 1900: Lecithodendrium.
- chilostomum* Ben., 1873, 27.—1873: Dist. [1892: D. aristotelis.]
- chimæræ* Ariola, 1899a, 8, t. h. *Chimæra monstrosa*; Genova, Italy.—1899: Agamodist.
- chimæræ* Kroyer, 1852–53a, 813, t. h. *Chimæra monstrosa* L.—1853: Crobylophorus (type).
- chinense* Cobbold, 1876, 97, D. sinense renamed, t. h. Homo.—1876: Dist.
- chiri* Goto, 1894, 193, t. h. *Chirus hexagrammus*; Japan.—1894: Microcotyle.
- chloropodis* Zed., 1800a, xvii, 164, t. h. *Fulica chloropus*; Europe.—1800: Dist. [Dist. uncinatum.]
- chlorotica* Dies., 1850a, 296, Cerc. II Baer renamed; t. h. *Paludina vivipara*; Regio. montii.—1850: Cerc. 1855: C. (Eucerc.). 1858: C. (Acanthocephala).
- choledochum* Linst., 1883a, 306, t. h. *Anas* sp.—1883: Dist. 1892: D. (Dicrocoelium). 1898: Opisthorchis.
- choledochus* Odhn., 1900, 14, t. h. *Vulpanser tadorna*.—1900: Gymnophallus.
- chordale* Burckhardt, 1891a, 62, t. h. *Protopterus annectens*.—1891: Amphist. [1892: Tetracotyle, Holostomidæ.]
- chrysophrii* Cerf., 1898a, 303, for chrysophryi (Choricotyle).
- chrysophri* St.-Remy, 1898, 555, for chrysophryi (Dielidophora).
- chrysaëti* Rud., 1819a, 119, t. h. *Falco chrysaëtus*.—1819: Dist. [1892: D. crassiusculum.]
- chrysophris* Mont., 1888, 11, 16, for chrysophryi (Choriocotyle).
- chrysophryi* Ben. & Hesse, 1863; 1864, 109, t. h. *Chrysophrys aurata*.—1864: Choriocotyle (type). 1890: Octobothrium. 1890: Microcotyle. 1895: Dielidophora.
- crystallinum* Hannover, 1864a, 3, for crystallinum 1819 (Dist.).
- cignoides* Mont., 1888, 40, 80, for cygnoides (Dist.).

- ciliata* Mueller, 1774, 55, free form.—1774: Fasc. 1776: Planaria.
- cymbiforme* Mont., 1896, 165 for cymbiforme (Dist.).
- cincta* Rud., 1803, 31, t. h. *Tringa vanellus*.—1803: Fasc. 1809: Dist. 1809: D. (Echinost.). 1860: Echinost.
- cinctum* Brand., 1888a, 67, t. h. *Ardea* sp.; Brazil.—1888: Holost.
- [*cincerea* (anatomical term) Fasc.]
- circularis* Linst., 1904, 493; or 1894, 17, t. h. *Acipenser ruthenus*.—1904: Erpocotyle.
- [*circumvallata* Sluiter, 1900. Dist. (tunicate).]
- cirrata* Rud., 1802, 66, of Rud., 1808, xxv, for *F. cirrhata*.—1802: Fasc. [cirrhata]. 1809: Dist. 1845: D. (*Brachylaimus*). 1899: *Lepoderma*. 1899: *Plagiorchis*.
- cirrhata* Rud., 1802, 66, t. h. *Corvus frugilegus*; Greifswald, June—1802: Fasc. 1855: Dist. 1899: *Lepoderma*.
- cirrigerum* Nord., 1840, 616, for *cirrigerum* (Dist.).
- cirrigerum* Baer, 1827, 553, t. h. *Astacus fluviatilis*.—1827: Dist. [1850: D. *isostomum*.]
- cirrosum* Rud., 1808a, 296, for *cirratum* (Dist.).
- cladocalium* Dies., 1858, 354, t. h. *Ardea minuta*; based on Pontallié, 1853, 103.—1858: Dist.
- clathratum* Deslongchamps, in Lamouroux, 1824, 563, t. h. *Cypselus apus*.—1824: Dist. 1845: D. (*Dicrocoelium*). 1899: *Dicrocoelium*. [1899: *Lyperosomum*.]
- clathratum* Deslongchamps, of Olsson, 1876, 24, renamed *olssoni* 1900.—1876: Dist. [1900: *Dicrocoelium olssoni*.]
- clathratum* Dies., 1850a, 308, t. h. *Lutra brasiliensis*; Matogrosso.—1850: Hemist.
- clausi* Mont., 1888, 79 for *clausii* (Cerc.).
- clausii* Mont., 1888, 72.—1888: Cerc.
- clava* Dies., 1850a, 356, hosts *Eunectes scytale*, *Hydroscopus plumbeus*, *Coluber flaviventris*, *Cleria fasciata*; Brazil.—1850: Dist. 1899: *Telorchis* (type).
- clavata* Menzies, 1791, 187, t. h. *Scomber pelamys*; Pacific.—1791: Fasc. 1808: Dist. 1828: *Hirudinella* (type).
- clavatum* Steenstrup, 1842, 59, under skin of frogs, *Rana temporaria*, [for 1842: *Amphist. subclavatum*?].
- clavatum* Nord., 1832, 42, t. h. *Perca cernua*, *P. fluviatilis*, *P. lucioperca*.—1832: Diplost. 1850: *Tylodelphys* (type).
- claviforme* Brand., 1888, 247, t. h. *Tringa alpina*.—1888: Dist. 1899: *Levithodendrium*. 1892: D. (*Brachycoelium*). 1907: *Spelotrena*.
- clavigerum* Zed., 1803a, 199, *Festuc. strigis* 1788, renamed; in *Strix*.—1803: *Amphist*. [1809: *A. macrocephalum*.]
- clavigerum* Rud., 1819a, 103, t. h. *Bufo viridis*, at Berlin; *B. cinereus*, *Rana temporaria*, *R. esculenta*, *Hyla arborea*.—1819: Dist. 1845: D. (*Brachycoelium*). 1899: *Pleurogenes* (type).
- calvigerum* Rud. of Duj., 1845a, renamed *confusus*, 1894.—1845: Dist. (*Brachycoelium*). 1899: *Prosotocus*, type.
- clavus* Mol., 1858, 128, t. h. *Gadus merluccius*; Patavii.—1858: Holost.
- cloacinum* Braun, 1901, 259, *bursicola* Crep., renamed.—1901: Echinost.
- clupeæ* Ben., 1870, 67, t. h. *Clupea sprattus*; Belgium.—1870: Gasterost.
- clupeæ* Schrank, 1788, 20, t. h. rheinische Mayfische.—1788: Fasc. 1803: Dist.
- clupeæ rhenanæ* Rud., 1809a, 437, includes Fasc. *alosæ* Hermann, 1783, *F. clupeæ* Schrank, 1788.—1809: Dist.
- cobboldi* Fischder., 1901, 372, for *cobboldii* (*Gastrothylax*).
- cobboldi* Montgomery, 1906, Feb. 12, 21, t. h. *Equus caballus*; India.—1906: *Pseudodiscus*.
- cobboldii* J. Poir., 1883, 77, t. h. *Palonia frontalis*; Java.—1883: *Gastrothylax*.
- cobitidis* Linst., 1890d, 179, t. h. *Cobitis barbatula*.—1890: Diplost.
- coccineum* Cuv., 1817, 42, t. h. la môle, le xiphias, etc.—1817: Trist. (type). 1820: Phylline. 1828: *Capsala*.
- coccineum* of Rud., 1819a, 123, in *Orthogoriscus molæ*, *Xiphias gladius*, renamed *rudolphianum*, 1850.—1819: Trist.
- cochlea* Wedl, 1857, 258, t. h. *Esox lucius*.—1857: *Gyrodactylus*. [1888: *Tetraonchus monenteron*.] 1890: *Dactylogyrus*.

- cochlear* Dies., 1858, 38, t. h. *Scomber scombrus*.—1858: *Grubea* (type).
- cochlear* Dies., 1850a, 357, *D. cochleariforme sternæ* Rud. renamed; t. h. *Sterna cantia*, *S. minuta*, int.; Brazil.—1850: Dist. 1901: *Microlistrum*.
- cochlear* Looss, 1899b, 667, t. h. *Chelonia mydas*; Egyptian coast.—1899: *Pyelosomum* (type).
- cochleare* Fischer, 1883, 1, t. h. *Halicore dugong*; Philippines.—1883: *Opisthotrema* (type).
- cochleariforme* Rud., 1809a, 326, includes *Festuc. cyprinacea*, t. h. *Cyprinus barbus*.—1809: Monost. (Hypost.).
- cochleariforme* Rud., 1819a, 681, t. h. *Pelecanus aquila*, *Sterna minuta*; Brazil.—1819: Dist. 1901: *Microlistrum* (type).
- cochleariforme sternæ* Dies., 1850a, 357, see *cochlear*.—1850: Dist.
- cochleariformis* Dies., 1838a, 189, t. h. *Cataphractus*.—1838: *Aspidocotylus*. 1877: *Cotylegaster*. 1879: *Aspidogaster*. 1892: *Aspidocotyle*.
- coccinea* Tasch., 1878, 567, for *coccinea* (Phylline).
- colebs* Linst., 1875, 192, t. h. *Fringilla colebs*.—1875: Dist. 1892: *Agamodist*.
- colomaticum* Giard & Billet, 1892a, 613, t. h. cattle; Tonkin.—1892: Dist. 1896: *Dicrocoelium*. 1893: *D. (Dicrocoelium)*. 1907: *Eurytrema*.
- caeruleus* Braun, 1902b, 11, t. h. *Cairina moschata*; Brazil.—1902: *Metorchis*.
- coleostomum* Looss, 1896, 101, t. h. *Pélican*; Egypt.—1896: Dist. 1899: *Anoiktoet*. 1899: *Ascocotyle* (type).
- collinsi* Sons., 1895, 182, for *collinsii*, *Amphist. (Pseudodiscus)*.
- collinsii* Cobbold, 1875l, 741, t. h. *Equus caballus*; India.—1875: *Amphist.* [1895: *A. (Pseudodiscus)*.]
- collinsii* var. *stanleyi* Cobbold, 1879b, 359, t. h. *Equus*.—1879: *Amphist.* [1900: *A. hawkesi*.] [See *stanleyi* 1875.]
- collurionis* Schrank, 1790, 123, t. h. *Lanius collurio*.—1790: Fasc. 1803: Dist.
- colostomum* Vaulleuard, 1901, 143, for *coleostomum* (Dist.).
- colubri* Bosc, 1802, 271, t. h. *couleuvre d'Amérique*.—1802: Fasc. 1809: Dist. [1859: *D. bosci*.]
- colubri* Linst., 1877, 192, t. h. *Coluber natrix*.—1877: *Tetracotyle*. [1889: *Holost. variabile*.]
- colubri americani* Rud., 1819a, 121, *D. colubri* 1809, renamed.—1819: Dist. [1859: *D. bosci*.]
- colubri murorum* Rud., 1819a, 121, t. h. *Coluber murorum*.—1819: Dist. [1850: *D. allostomum*.]
- colubri natricis intestinale* Rud., 1809a, 433, t. h. *Coluber natrix*.—1809: Dist. [1819: *D. mentulatum*.]
- colubri natricis pulmonale* Rud., 1809a, 434.—1809: Dist. [1819: *D. naja*.]
- colubri tessellati* Rud., 1819a, 121, t. h. *Coluber tessellatus*.—1819: Dist. [1850: *D. mentulatum*.]
- columba* Mazzanti, 1889a, 161, t. h. *Columba livia*; Pisa.—1889: Dist. [1896: *Mesogonimus commutatus*.]
- columba livia* Mueller, 1897, 26, t. h. *Columba livia*.—1897: *Echinost.*
- columbella* Pag., 1862, 306, t. h. *Columbella rustica*.—1862: Cerc.
- colymbi immeris* Viborg, 1795, 241.—1795: Fasc. s. *Ligula*.
- comes* Haswell, 1893e, 96, t. h. *Astacopsis serratus*; Australia.—1893: *Temnocephala*.
- cometa* Bory de St. Vincent, 1823a, 354, in infusions d'orge.—1823: Cerc.
- commune* Ols., 1876, 31, t. h. *Labrus*.—1876: Dist. 1886: *D. (Dicrocoelium)*. 1901: *Allocreadium*.
- communis* Odhn., 1905, 348, in numerous Scandinavian marine fishes.—1905: *Hemirurus*.
- commutatum* Dies., 1858e, 339, Dist. *dimorphum* Wagener, 1852 [not Dies., 1850], renamed, t. h. *Phasianus gallus*; Pisa.—1858: Dist. 1889: *Mesogonimus*. [1899: *Clinost.*.]
- commutatum* Dies., 1850a, 311, t. h. *Sterna caspica*; M. C. V.—1850: *Hemist.*
- compactum* Cobbold, 1859d, 363, t. h. *Viverra mungos*.—1859: Dist. 1892: *Mesogonimus*. [1899: *Paragonimus*.] 1900: *Paragonimus*.

- compactus* Fischder., 1901, 370, t. h. *Bos taurus*; Africa.—1901: *Stephanopharynx* (type).
- compascua* Kowal., 1898, 72, see *xanthosoma compascua*.—1898: *Opisthorchis*. 1902: *Metorchis*.
- complanatum* Rud., 1814a, 103, t. h. *Ardea cinerea*; Berlin, Germany. —1814: *Dist.* 1845: *Dist.* (*Dicrocoelium*). 1899: *Clinost.*
- complanatum* Erc. of Par., 1894, 144, for *campanulatum* (*Dist.*).
- compleum* Stiles & Hass., 1894e, 425, t. h. *Felis catus* dom.; U. S. A.—1894: *Dist.* (*Dicrocoelium*). 1896: *Opisthorchis*. 1899: *Metorchis*.
- complexus* Seely, 1906, 249, t. h. *Rana pipiens*; North Carolina, U. S. A.—1906: *Pneumonoeca*.
- complicatum* Mehlis, 1846, 141, t. h. *Haliaëtus carbo*.—1846: *Dist.*
- compressus* Brand., 1898a, 27, t. h. *Bos indicus*; Vien. Mus.—1898: *Gastrothylax*.
- concarum* Crep., 1825a, 45, t. h. *Colymbus rufogularis*.—1825: *Dist.* 1892: *D.* (*Dicrocoelium*). 1899: *Tocotrema*. 1899: *Cryptocotyle* (type). 1899: *Cotylogonimus* (*Cryptocotyle*, type). 1903: *Cryptocotyle*.
- conchicola* Baer, 1826a, 124, t. h. *Anadonta*, *Unio*; Prussia.—1826: *Aspidogaster* (type). 1851: *Aspidonotus* (type).
- conchicole* Gronkowski, 1902a, 515, for *conchicola* (*Aspidogaster*).
- conchiola* Mont., 1888, 40, for *conchicola* (*Aspidogaster*).
- conchycola* Dies., 1850a, 414, for *conchicola* (*Aspidogaster*).
- concinna* Scott, 1904, 278, t. h. *Trygon pastinaca*; Scotland.—1904: *Thaumatocotyle* (type).
- concinna* Scott, 1902, 301; t. h. not given.—1902: *Acanthocotyle*.
- concinnum* Braun, 1901, 700, t. h. *Viverra zibetha*.—1901: *Dicrocoelium*.
- confusum* Looss, 1894a, 2, 101, *D. clavigerum* of Duj., 1845a, renamed; t. h. *Rana esculenta*; Paris, Rennes.—1894: *Dist.* 1899: *Prosoctoc* (type). 1905: *Pleurogenes*.
- confusus* Odhn., 1905, 357, *bothryophorus* of Looss, 1899, 728, renamed; t. h. *Alosa finta* in Mediterranean and *Clupea harengus* in North Sea.—1905: *Lecithaster* (type by Odhn.).
- coni mediterranei* Fil., 1857c, 14, t. h. *Conus mediterraneus*; Mediterranean.—1857: *Cerc.* 1858: *Cercariaeum*.
- conicum* Polonio, 1859, teste Par., 1894, 627.—1859: *Dist.*
- conicum* Polonio, 1859, t. h. *Natrix torquata*; Padua.—1859: *Diplodiscus*.
- conicum* Zed., 1803a, 188, *Festucaria cervi* Zed., 1790, renamed; t. h. *Cervus elaphus*.—1803: *Monost.* 1809: *Amphist.* [1901: *Paramphist. cervi*, type.]
- coniferum* Mehlis in Creplin, 1846, 138, t. h. *Colymbus cristatus*.—1846: *Holost.*
- conis* Perroncito, 1886, 250, misprint for *conus* Crep., 1825.—1886: *Dist.*
- coniunctum* Rivolta, 1884, 26, for *conjunctum*, 1860 (*Dist.*).
- conjunctum* Cobbold, 1860a, 8, t. h. *American Canis fulvus*.—1860: *Dist.* 1893: *D.* (*Brachylaimus*). 1895: *Opisthorchis*. 1899: *Metorchis*.
- conjunctum* of Lewis & Cunningham, as a parasite of man, in India, see *noverca*.—1872: *Dist.* 1895: *Opisthorchis*.
- conoides* Bloch, 1782a, 35, t. h. *Anas boschas* dom.; Europe.—1782: *Cuculanus*. [1850: *D. echinatum*.] 1886: *Dist.* 1896: *Echinost.*
- conostomum* Olss., 1876, 17, t. h. *Coregonus oxyrhynchus*.—1876: *Dist.* 1886: *D.* (*Brachylaimus*). [1899: *Spathidium*.] 1902: *Phyllodist.*
- constrictum* Dies., 1850a, 322, t. h. *Abramis brama*.—1850: *Monost.* 1892: *Diplostomulum*.
- constrictum* Leared, 1862, 271, t. h. edible turtle; see *mistroides*.—1862: *Dist.* 1896: *Mesogonimus*. 1899: *Hapalotrema* (type).
- constrictum* Mehlis, 1846, 142, t. h. *Anas mollissima*, *A. nigra*.—1846: *Dist.*
- constructum* Staff., 1900, 407, misprint for *constrictum* Leared (*Dist.*).
- continuum* Ariola, 1899, 6, t. h. *Carcharias rondeletti*; Genova.—1899: *Dist.*
- contortum* Rud., 1819a, 118, t. h. *Orthogoriscus mola*; Naples.—1819: *D.* (*Echinost.*) 1893: *D.* (*Accacelium*). 1898: *Podocotyle*. 1899: *Accacelium* (type).
- contractus* Looss, 1902, 136, t. h. *Mugil chelo*.—1902: *Dicrogaster*.

- contribulans* Braun, 1901f, 568, t. h. *Hirundo rustica*.—1901: *Fumegacetes*.
- conum* Erc., 1881a, or 1882, see Par., 1894, 164, t. h. *Bythinia tentaculata*; Bologna.—1881 or 82: *Cerc*.
- conum* Huber, 1896a, 578, for *conus* Crepl. (Dist.).
- conus* of Gurlt, 1831, 193.—1831: Dist. [1903: *Opisthorchis felineus*.]
- conus* Crepl., 1825, 50, t. h. *Felis catus* dom., *Canis vulpes*.—1825: Dist. 1892: D. (Dicrocoelium). 1896: *Opisthorchis*.
- conviva* Luche 1901, 474, t. h. Conger conger; Coll. Berlin.—1901: *Lecithochirium*.
- convolutum* Brand. MS., in Braun, 1901f, 565, t. h. *Platalea ajaja*.—1901: Dist. [1902: *Mesaulus grandis*.]
- copulans* Cohn, 1902, 877, t. h. *Cryptobranchus japonicus*.—1902: *Liolope* (type).
- copulans* Linst., 1904, 254, t. h. *Arnoglossus laterna*; ? Louvain.—1904: *Synaptobothrium* (type). 1906: *Lecithochirium*.
- cordatum* Dies., 1850a, 308, t. h. *Felis cat. fer.*; M. C. V.—1850: *Hemist*.
- cordiforme* Braun, 1900f, 389, or 1900b, 225, t. h. *Molossus* sp.; Brazil.—1900: *Lecithodendrium*.
- cordiformis* Wolf, 1903, 602, t. h. *Squalus* sp.—1903: *Braunina*.
- coregoni feræ* Chauvannes, —, 62; see Dies., 1858d, 283.—1858: *Cercariæum*.
- cornifrons* Leidy, 1878, 382, t. h. *Donax fossor*.—1878: Dist.
- cornu* Dies., 1839a, 235, t. h. *Doras* sp.=*Cataphractus vacu*; Forte do Rio Branco; Brazil.—1839: *Amphist*. [1860: *A. nattereri*.]
- cornu* Nitzsch, in Rud., 1819a, 89, t. h. *Ardea cinerea*, *A. garzetta*; Europe.—1819: *Amphist*. 1819 [p. 357]: *Holost*.
- cornu* Linst., 1878, 228, t. h. *Abramis vimba*; middle Europe.—1878: *Dactylogyrus*.
- cornu* Zed., 1800a, xvii, t. h. *Ardea cinerea*; Europe.—1800: Dist. 1809: *Amphist*. 1819: *Monost*. (Monost.)
- cornucopia* Mol., 1859, 287, t. h. *Strix flammea*?; Batavia.—1859: *Holost*.
- cornuta* Bosc, 1802a, v. 3, 244.—1802: *Cerc*.
- cornuta* Osborn, 1903, 63, t. h. crawfish, black bass, and catfish; Lake Chautauqua. N. Y.—1903: *Bunodera*. 1904: *Crepidost*.
- cornutum* Rud., 1808a, xxv; 1809a, 343; t. h. *Charadrius pluvialis*; Greifswald, Europe.—1808: *Amphist*. 1845: *Holost*.
- cornutum* Verrill, 1875, 40, t. h. *Tetrapterus albidus*; North America.—1875: *Trist*.
- coronarium* Cobbold, 1861e, 119, t. h. *Alligator mississippiensis*.—1861: Dist. 1899: *Anoiktost*. 1896: D. (Echinost.). 1899: *Acanthost*. 1901: *Acanthochasmus*.
- coronata* Fil., 1855b, 10, t. h. *Lymnæus palustris*, *L. stagnalis*; Moncalier.—1855: *Cerc*. 1858: C. (*Gymnocephala*).
- coronatum* Leidy, 1888, 127, t. h. terrapin; eastern U. S. A.—1888: *Polyst*.
- coronatum* Rud., 1819a, 686, t. h. *Didelphis*(?) *virginiana*; Brazil.—1819: Dist. (Echinost.). 1850: *Rhopalophorus* (type). 1892: *Echinost*. 1898: *Rhopalias* (type).
- coronatum* Rentsch, 1860, 38, t. h. *Gasterosteus spinachia*.—1860: Dist.
- coronatum* Wagener, 1852, 567, t. h. *Corvina nigra*; Nice.—1852: Dist. 1886: D. (Echinost.). 1898: *Echinost*. 1899: *Anoiktost*. (type).
- corones* Dies., 1858c, 322, t. h. *Corvus corone*; Ireland.—1858: *Holost*.
- corpulentum* Lint., 1905, 327, t. h. *Lagodon rhomboides*, *Orthopristis chrysopterus*; Beaufort, N. C.—1905: Dist.
- corrigan* Braun, 1901, 946, t. h. *Tetrao tetrix*; Coll. Vien.—1901: *Lyperosomum*.
- corrugatum* Duj., 1845a, 409, t. h. *Sorex tetragonurus*; Rennes.—1845: Dist. (*Brachylaimus*).
- corvinæ* Stoss., 1886, 46, t. h. *Corvina nigra*; Triest.—1886: Dist. 1886: D. (Echinost.). [1899: *Anoiktost*. (type).]
- corvinum* Stiles & Hass., 1894, 418, t. h. *Corvus americanus*, *C. ossifragus*; U. S. A.—1894: Dist. *longissimum*. 1898: *Opisthorchis*.
- coryphænæ* Bosc, 1802, 271, t. h. "dorade".—1802: *Fasc*. 1809: Dist. [1850: D. *clavatum*; D. *tornatum*.]
- coryphænæ hippuridis* Tilesius in Litt, Rud., 1809a, 436.—1809: *Fasc*. [1809: Dist. *coryphænæ*.]
- coryphænæ* Cobbold, 1879b, 460, for *coryphænæ* (Dist.).

- coryphænx* Cobbold, 1879b, 461, for *coryphænx* (Dist.).  
 [costæ D. Valle (Dist.), a tunicate.]
- cotti* Linst., 1889a, 80 based on Zechokke, 1884, 204, t. h. *Cottus gobio*; Lake Leman.—1884: Monost.
- cotylophorum* Fischder, 1901a, 370, t. h. *Bos taurus* at Togo, *B. zebu* in German East Africa.—1901: Paramphist.
- cotylura* Pag., 1862, 293, t. h. *Trochus cinereus*; C'ette.—1862: Cerc.
- cranaria* Dies., 1858, 316, t. h. *Cobitis fossilis*.—1858: *Tylodelphys*. 1860: *Diplost.*
- cranium* Huber, 1896a, 575, misprint for *crassum* (Dist.).
- crassa* Rud., 1793a, 27, *F. melis* Gmelin renamed.—1793: Fasc.
- crassa* Sona., 1888, 124.—1888: *Bilharzia*. 1892: *Gynæcophorus*. 1899: *Schistosoma*.
- crassa* Erc., 1881 or 1882, see Par., 1894, 164, t. h. *Bythinia tentaculata*; Bologna.—1881: Cerc.
- crassicauda* Erc., 1881 or 1882, see Par., 1894, 164, t. h. *Bythinia tentaculata*; Bologna.—1881: Cerc.
- crassicaudatum* Busch, 1851, 99, t. h. *Sagitta*.—1851: Dist.
- crassicaudatum* Leuck. in Kollar, 1836, 81, t. h. *Acipenser stellatus*.—1836: *Diklibothrium*. 1839: *Diklibothrium*. [1840: *Hexacotyle elegans*.] [1850: *D. armatum*.]
- crassicolle* Rud., 1809a, 378, for Fasc. *salamandræ*; t. h. *Salamandra atra*.—1809: Dist. 1845: Dist. (*Brachycœlium*). [1896: *Brachycœcum*, type.] 1899: *Brachycœlium* (type). 1899: Dist. (*Dicrocœlium*). 1899: *Lecithodendrium*.
- crassiusculum* Rud., 1809a, 408, *Planaria bilis* Braun, renamed; t. h. *Falco melanætus*.—1809: Dist. 1892: *D. (Brachylaimus)*. 1898: *Opisthorchis*. 1899: *Metorchis*.
- crassiuscula* var. *janus* Kowal., 1898h, 122, t. h. *Anas boschas dom.*.—1898: *Opisthorchis*. 1898: *Campula*. [1899: *Metorchis*.]
- crassiusculus* Wedl, 1857, 258, t. h. *Lucioperca sandra*.—1857: *Gyrodactylus*. [1858: *Tetraonchus unguiculatus*.] 1890: *Dactylogyrus*.
- crassum* Cobbold, 1860a, 5, *buskii* renamed, t. h. *Homo*.—1860: Dist. 1899: *Fasciolopsis*.
- crassum* Olss., 1876, 25, t. h. *Hirundo urbica*.—1876: Dist.
- crassum* Sieb., 1836, 234, t. h. *Hirundo urbica*.—1836: Dist. 1892: *D. (Dicrocœlium)*. 1907: *Eumegacetes*.
- crassus* Loos, 19011, 568, t. h. *Thalassochelys corticata*; Egypt.—1901: *Glyphicephalus*. 1902: *Epibathra* (type).
- crenata* Rud., 1802, 76, t. h. *Gasterosteus aculeatus*, *Pleuronectes maximus*.—1802: Fasc. 1809: Dist. 1889: *Apoblema*. 1901: *Hemiurus*. 1905: *Brachyphallus* (type).
- crenata* Frœlich, 1802a, 60, t. h. *Fulica chloropus*; Europe.—1802: Fasc. [1814: Dist. *uncinatum*.]
- crenata* Mueller, 1774, 64.—1774: Fasc. 1776: *Planaria*.
- crenatum* Mol., 1859, 840, t. h. *Centrolophus pompilius*; Batavii.—1859: Dist. 1886: *D. (Apoblema)*. 1889: *Apoblema*. 1899: *Hemiurus*. [1901: *Lecithocladium excisum*.] 1905: *Brachyphallus*.
- crenulatum* Rud., 1809a, 328, t. h. *Motacilla phœnicurus*; Greifswald.—1809: Monost. (Monost.).
- crenulatum* Cobbold, 1860a, 47, t. h. *Anas nigra*; Ireland.—1860: Holost.
- crystallina* Sons., 1893, 188, for *crystallina* Rud., 1819 (*Tetracotyle*).
- [*crystallinum* Ren. (Dist.), tunicate.]
- cristata* La Valette, 1855, 23, t. h. *Lymnæus stagnalis*.—1855: Cerc. [1858: *Lophocercaria fissicauda*.]
- cristatum* Rud., 1819a, 117, t. h. *Stromateus fiatola*; Arimini.—1819: Dist. (*Echinost.*). 1860: *Echinost.*
- croaticum* Stoss., 1889, 183, t. h. *Carbo graculus*; Fiume, Croazia.—1889: Dist. 1892: *Echinost.*
- crocodili* Poir., 1886, 30, t. h. *Crocodilus siamensis*.—1886: Dist. 1895: *Echinost.*
- crotali* "Humboldt."—Dist., an arachnoid [now in *Porocephalus*].
- crotali durissi* Rud., 1809a, 433, for *crotali*.—1809: Dist. [1819: *Pentast. proboscideum*.]

- cruciatus* Wedl, 1857, 258, t. h. *Cobitis fossilis*.—1857: *Gyrodactylus*. 1858: *Tetraonchus*. 1890: *Dactylogyrus*.
- crucibulum* Rud., 1819a, 83, t. h. *Muraena conger*, *M. cassini* (*M. myroides*); Naples.—1819: Monost. (Monost.). 1845: Dist. (*Crossodera*). 1850: Monost. 1859: *Gasterost.* 1905: *Proserhynchus*.
- crucifer* Wagener, 1857, 55, t. h. *Cyprinus erythrophthalmus*.—1857: *Dactylogyrus*.
- crumena* Mueller, 1786, 129, in infuso *Ulvæ linzæ marino*.—1786: Cerc. 1815: *Furcicerca*. 1827: *Crumena*, type.
- crumenifer* Otto, 1896, 94, see *crumeniferum*.—1896: *Gastrothylax*.
- crumeniferum* Crep., 1847, 30, t. h. *Bos taurus indicus*.—1847: Amphist. 1883: *Gastrothylax* (type).
- crumigerum* Fischder., 1903h, 563.—1903: Amphist. [1903: *Gastrothylax compressus*.]
- cruz* Levin., 1881, 80, t. h. *Modiolaria diacors*; Egedisminde.—1881: *Bucephalus*.
- cryptobothrium* Ben., 1870, 1871a, 31, t. h. *Trigla gurnardus*; Belgium.—1870: Dist.
- crystallinum* Rud., 1819a, 100, hosts *Rana esculenta*, *R. temporaria*, *Bufo viridis*, *B. igneus*, *Vipera berus*; Berlin.—1819: Dist. 1877: (ex parte) *Tetracotyle*.
- cteniceps* Leidy MS. in Stiles & Hass., 1894, 249, t. h. *Fibër zibethicus*.—1894: Dist.
- ctenolabri* Staff., 1905, 682, t. h. *Ctenolabrus adpersus*.—1905: *Dermocystis* (type).
- cucullus* Ziegler, 1883, 540, for *cuculus* (*Bucephalus*).
- cuculus* McCrady, 1874, Dec. 3, 176, t. h. *Ostrea virginiana*; Charleston, S. C.—1874: *Bucephalus*. [1874: *Hydricuculus*, type.]
- cucumerina* Erc., 1881, see Par., 1894, 364, t. h. *Bythinia tentaculata*; Bologna.—1881: Cerc.
- cucumerina* Rud., 1804, 166 in liver of *Pleuronectes maximus*.—1804: Fasc.
- cucumerinum* Rud., 1809a, 360, host *Avis riparia*, gen. sp. incert.—1809: Dist. 1889: Monost. 1902: *Typhlocelum*.
- cuneatum* Rud., 1809a, 358, t. h. *Otis tarda*; Greifswald.—1809: Dist. 1901: *Prosthogonimus*.
- cuspidatum* Looss, 1896b, 96, t. h. *Milvus parasiticus*; Matarieh.—1896: Dist. 1899: *Anoiktoz.* 1899: *Centrocestus* (type).
- cuticola* Nord., 1832, 49, t. h. *Cyprinus*, see p. 290.—1832: Holost. [1832: *Cryptostomum*.] 1850: *Diplost.* 1892: *Tetracotyle*. [1898: *Hemist. denticulatum*.] 1902: *Tetracotyle*.
- cuticula* Kroyer, 1852-53a, 1250, for *cuticola* (Holost.).
- cycladis rivicolæ* Dies., 1850a, 298, based on Sieb., 1837, 388, t. h. *Cyclas rivicola*.—1850: Cerc. 1855: *Cercariæum*.
- cyclidium* Mueller, 1773, 68, in *Aquis purioribus frequens*.—1773: Cerc. 1827: *Cyclidium*, type.
- cyclophora* Braun, 1896, 3, t. h. *Notothenia* sp.; Navarin, Puerto Toro.—1896: *Lophocotyle* (type).
- cyclopteri* Rud., 1809a, 438, t. h. *Cyclopterus lumpus*.—1809: Dist. [1850: *D. reflexum*.] Dist. (*Dicrocoelium*). 1847: *Brachylæmus*. 1899: *Haplometra* (type).
- cygni oloris* Dies., 1858e, 344, based on Bellingham, 1844, 427.—1858: Dist. [1858: *D. echinatum*.]
- cygnoides* Zed., 1800a, 163, t. h. *Rana esculenta*.—1800: Dist. 1845: *D. (Dicrocoelium)*. 1889: *D. (Polyorchis)*. 1898: *Pleorchis*. 1899: *Phyllodist.* 1899: *Gorgodera* (type).
- cygnoides* Schrank, 1803, 212, t. h. ———.—1803: Fasc.
- cygnoidis* Sons., 1893, 187, for *cygnoides* (Dist.).
- cylindraceum* Zed., 1800a, 163, t. h. *Rana esculenta*.—1800: Dist. 1802: Fasc. 1845: Dist. (*Dicrocoelium*). 1847: *Brachylæmus*. 1899: *Haplometra* (type).
- cylindraceum* Zed., of Pachinger, 1888.—1888: Dist. [1894: *D. variegatum*.]
- cylindrica* Græze, 1782a, 174, a "Klasse."—1782: *Planaria*. 1841: Dist.
- cylindricum* Dies., 1836d, 249, t. h. *Cataphractus murica*; Villa Maria, Brazil.—1836: Amphist.
- cylindricum ranæ* Mayer, 1841, 18.—1841: Dist.
- cymbiforme* Rud., 1819a, 96, t. h. *Testudo mydas*; Arimini.—1819: Dist. 1895: *D. (Brachylæmus)*. 1899: *Phyllodist.* 1899: *Spathidium*. 1901: *Plesiochorus* (type).

- cymbium* Dies., 1850a, 320, t. h. *Himantopus wilsonii*; Caiçara, Brazil.—1850: Monost. [1819: *M. flavum*.] 1902: *Hæmatotrephus*.
- cymbulæ* Græffe, 1860a, 47, t. h. *Cymbulia peronii* Les; Nizza.—1860: Cerc.
- cymbulæ delle Chiaje* (1841a, 109).—Dist.
- cyprinacea* Schrank, 1790, 122, t. h. *Cyprinus barbus*.—1790: *Festucaria*.
- cyprinacæm* Zed., 1800a, 164, in intest. *Cyprinorum*.—1800: Dist. [1850: *D. globiporum*.]
- cyprinæ* Leach in Johnston, 1865, 35, t. h. *Cyprina islandica*; Plymouth, Eng.—1865: Monost. [1865: *Malacobdella grossa*.]
- cyprini carassii* Viborg, 1795, 242.—1795: Fasc.
- cyprini idi* (peritonei) Dies., 1858e, 367, t. h. *Leuciscus idus*; Rennes.—1858: Dist. [1858: ? *Tetracotyle echinata*.]
- cyprini idi* Moul., 1856, 233.—1856: *Tetracotyle*. [1858: *T. typica*.]
- cysticola phalangii opilionis* Dies., 1855, 64, see *cystidicola* 1846.—1855: Dist.
- cysticum* Crep., 1846a, 159, t. h. *Planorbis* sp.—1846: Dist.
- cystidicola* Crep., 1846, 156, t. h. *Phalangium opilio*.—1846: Dist.
- cystophona* Will.-Suhm, 1870, 5, for *cystophora* (Cerc.).
- cystophora* Wagener, 1866, 145, t. h. *Planorbis marginatus*.—1866: Cerc.
- dactyliferum* Braun, 1892a, 568, for *dactylipherum* (Dist.).
- dactylipherum* Poir., 1885, 10, t. h. *Argonauta*.—1885: Dist.
- delectens* Rud., 1819a, 677, t. h. *Sylvia* sp., *Motacilla* sp.; Brazil.—1819: Dist. 1901: *Dicrocoelium*.
- delectans* Braun, 1901g, 945, t. h. *Myiothera ruficeps*; Brazil.—1901: *Dicrocoelium*.
- delicatulum* Dies., 1850a, 325, includes Dist. *testudinis* Rud., 1819a, 121, t. h. *Emys europæa*, *Halichelys atra*; Mus. Vien.—1850: Monost.
- delicatulum* Rud., 1809a, 373, t. h. *Anas sponsa*.—1809: Dist. 1828: Fasc.
- deliciosum* Ols., 1893, 10, t. h. *Larus argentatus*.—1893: Dist. 1900: *Gymnophallus* (type).
- delitescens* Loos, 1899b, 666, t. h. *Chelonia mydas*; apparently Egypt.—1899: *Cricoccephalus* (type). [See also *albus*.]
- delphini* Dies., 1850a, 330, t. h. *Delphinus dalci*; near Havre.—1850: Monost. [1860: *M. blainvillei*.] 1892: *Monostomulum*.
- delphini* Poir., 1886, 34, t. h. *Delphinus delphis*.—1886: Dist. 1892: *Cladocœlium*. 1899: *Brachycladium*.
- dendricum* Ben., 1870, 36, for *dendriticum* (Dist.).
- dendriticum* Rud., 1819a, 93, t. h. *Xiphias gladius*.—1819: Dist. 1896: D. (*Dicrocoelium*). 1899: *Dicrocoelium*.
- dendyi* Haswell, 1893e, 96, t. h. *Astacopsis bicarinatus*; Australia.—1893: *Temnocephala*.
- dentatum* Lint., 1900: 269, t. h. *Paralichthys dentatus*.—1900: Dist.
- denticulata* Rud., 1802, 91, t. h. *Sterna hirundo*; Greifswald, July.—1802: Fasc. 1809: Dist. (Echinost.). 1860: Echinost.
- denticulata* Rud., 1805, an arachnoid.—1808: Polyst. 1809: Polyst. (Pentast.), [now in *Linguatula*].
- denticulatum* Rud., 1819a, 90, t. h. *Alcedo ispida*; Mus. Vien., Europe.—1819: Amphist. 1845: Holost. 1850: Hemist.
- denticulatum* Ols., 1876, 10, t. h. *Gadus virens*.—1876: *Octobothrium*. 1895: *Dactylocotyle*.
- depressum* Polonio, 1859, teste Par., 1894, 149, t. h. *Triton cristatus*; Padua.—1859: Dist.
- depressum* Stoes., 1883, 118, t. h. *Dentex vulgaris*; Trieste.—1883: Dist. 1886: D. (*Brachylaimus*).
- detrunctum* Braun, 1899g, 490, t. h. *Mycteria americana*, *Ciconia americana*; Brazil.—1899: Clinost. 1900: Dist.
- diadema* Mont., 1902, 137, t. h. *Trygon violacea*.—1902: *Epibdella*. 1903: *Phylline*. 1902: E. (*Phylline*).
- diaphanum* Odhn., 1902, 154, t. h. *Polypterus bichir*; White Nile.—1902: Callodist. (type).
- diaphanum* Staff., 1904, 494, t. h. *Ambloplites rupestris*; Canada.—1904: *Protenteron* (type).



- diaphanum* Cerf., 1894k, 936, t. h. *Raja batis*.—1894: *Merizocotyle* (type).
- dichotoma* Mueller, in LaValette, 1855, 38, free form.—1855: Cerc. 1858: C. (*Schizocerca*).
- dicoronyx* Dies., 1850a, (359), 680, t. h. *Lampris guttatus*; new name for *D. affine* Dies.—1850: Dist. 1886: *D. (Köllikeria?)*.
- diceranocolum* Fischder., 1901a, 369, t. h. *Bos taurus indicus*; Coll. Berl. Ver. School.—1901: Paramphist.
- dictyotus* Mont., 1893, 156, *reticulatum* Looss, 1885, renamed.—1893: Dist. 1893: *Mesogonimus* (type).
- didelphidis* Par., 1896, 3, t. h. *Didelphys azaræ*; Paraguay.—1896: Dist. (*Brachylaimus*). 1904: Plagiorchis.
- didelphydis* Stoss., 1904, 2, for *didelphidis* Par.—1904: Dist. [*D. (Brachylaimus)*.]
- diesingi* Braun, 1901, 561, for *diesingii* 1860.—1901: Dist. [1902: *Microlistrum cochlear*.]
- diesingi* Fil., 1837a, 334, t. h. *Planorbis nitidus*; Ticino.—1837: *Diplodiscus*. 1856: Cerc. [1850: *Diplocotyle mutabile* (type).]
- diesingii* Fil., 1854a, 6, for *diesingi* (Cerc.). 1854: *Diplodiscus*.
- diesingii* Cobbold, 1860a, 14 (*D. cochlear* Dies., renamed), t. h. *Sterna cantiaica*, S. minuta; Brazil.—1860: Dist. [*Microlistrum cochlear*.]
- differens* Sons., 1891, 261, t. h. *Cantharus lineatus*.—1891: *Trochopus*.
- difformis* Wagener, 1857, 63, t. h. *Cyprinus erythrophthalmus*.—1857: *Dactylogyrus*.
- diffusocalciferum* Gastaldi, 1854, 5, t. h. *Rana esculenta*.—1854: Dist.
- digitata* Mont., 1903a, 309, t. h. *Palemonetes argentinus*.—1902: *Temnocephala*.
- digitatum* Rathke, (1843), 242, t. h. *Hippoglossus gigas*; Norway.—1843: *Octobothrium*. [1850: *Diclidophora palmata*.] [1879: *Octobothrium palmatum*.]
- digitatus* Looss, 1899b, 641, t. h. *Sphyræna vulgaris*; Egypt.—1899: *Hemiusurus*. 1901: *Lecithochirium*. 1907: *Plerurus* (type).
- dilatatum* Fischer de Waldheim, 1840a, 158, t. h. *Gallus communis*; Vilnæ.—1840: Dist. 1860: *Echinost.* [1892: *E. echinatum*.]
- dilatatus* Dady, 1905, 233, t. h. *Colossoma brachypoma*; Paraguay.—1905: *Chiorchia*.
- dilatatum* Schneidemuehl, 1896, 303, misprint for *dilatatum* (Dist.).
- dimidiatum* Crep., 1829, 55, t. h. *Acipenser sturio*.—1859: Dist.
- dimorphism* Dies., 1850a, 353 [contains *D. marginatum* Rud., 1819a, 680, and Duj., 1845a, 446], t. h. *Salmo carapus*, etc., see page 184; Brazil.—1850: Dist. 1886: *D. (Brachylaimus)*. 1899: *Clinost.*
- dimorphism* of Wagener, 1852, 555, see *commutatum* 1858, from chicken.—1852: Dist. 1890: *Mesogonimus*.
- diodontis* Oken, 1815, 182, t. h. *Diodon* sp.; Norka to Cal.—1815: *Phylline* (type of *P. Oken*, teste Odhn.). [Trist. *maculata*.] [*Capsala martinieri*.]
- diplacanthus* Massa, 1903, 254, t. h. *Trigla hirundo*.—1903: *Trochopus*.
- diplocotylea* Pag., 1857, 25, t. h. *Planorbis marginatus*.—1857: Cerc. [1858: *Diplocotyle mutabile*.] [1885: *Amphist. subclavatum*.]
- diplodiscoides* Cohn, 1904, 240, t. h. *Rana esculenta*.—1902: *Opisthodiscus* (type).
- diplorenchis* Odhn., 1905, 318, t. h. *Lumprenus medius*; Spitzbergen, off King's bay.—1905: *Monorchæides* (type).
- [*dipsacum* Lint., 1897a, 806, cestode (*Octobothrium*).]
- discus* Mueller, 1786, 138, pl. 20, fig. 3, in *aqua palustri raro*.—1786: Cerc. 1829: *Cyclidium*.
- diserialis* Ssinitzin (1896), in *Rallus aquaticus*.—1896: *Notocotyle*.
- dispar* Looss, 1902, 888, t. h. dogs and cats; Egypt.—1902: *Heterophyes*.
- disticha* Mueller, 1776, 224.—1776: Fasc. 1803: Dist.
- distomatosa* Linst., 1889a, 118, based on Sons., 1884, 98, t. h. *Cleopatra bulimoides*; near Cairo, Egypt.—1889: Cerc.
- distomi folii* Looss, 1894a, 251.—1894: Cerc. [Dist. *folium*.]
- distomi hepatici* Looss, 1894a, 252.—1894: Cerc. [Fasc. *hepatica*.]
- distomi homolostomi* Linst., 1889a, 120, t. h. *Limnæa stagnalis*.—1889: Cerc. [Dist. *holostomum*.]
- distomi militaris* Braun, 1893a, 832.—1893. Cerc. [Dist. *militare*.]

- distomi perlati* Loos, 1894a, 32.—1894: Cerc. [Dist. perlatum.]
- distomi retusi* Linst., 1878a, 327, in *Limnæa stagnalis*.—1878: Cerc. [Dist. retusum.]
- divergens* Rud., 1809a, 371, Fasc. blennii renamed, t. h. Blennius viviparus.—1809: Dist.
- divergens* Loos, 1902e, 640, t. h. Ranzania truncata; Triest.—1902: Orophocotyle.
- dolichocotyle* Cohn, 1903, 37, t. h. Herpetodryas fuscus.—1903: Amphist. 1904: Catadiscus (type).
- donarani* Mont., 1888, 16, for donavini (Microcotyle).
- donavin*: Ben. & Hesse, 1863; 1864, 114, t. h. Labrus donavini.—1863; 1864: Microcotyle (? type).
- draconis* Briot, 1904, 126, t. h. Trachinus draco; North Sea.—1904: Microcotyle.
- dubia* Gørze, 1782a, 177, see alata.—1782: Plan.
- dubium* Leidy, 1856, 45, t. h. Rusticola minor.—1856: Clinost. 1858: Dist.
- dubium* Cobbold, 1860, 45, t. h. Corvus corone.—1860: Holost. [1858: H. coronæ.]
- dubium* Cobbold, 1858b, 156 t. h. Gasterosteus spinachia.—1858: Monost. 1892: Monostomulum.
- dubius* Klein, 1905, 68, t. h. Coluber olivaceus.—1905: Halipegus.
- dujardini* MacCallum, 1904, 547, for dujardini (Echinost.):
- dujardinianus* Dies., 1850a, 432, t. h. Cyprinus carpio, Leuciscus rutilus.—1850: Gyrodactylus. 1858: Dactylogyrus.
- dujardini* Cobbold, 1860a, 37, Dist. histrix Duj., 1845a, 433, D. histrix Dies., 1850a, 393, renamed; t. h. Pleuronectes maximus, P. platessa.—1860: Echinost.
- dujardini* Cobbold, 1860a, 29, D. soleæ 1845, renamed, t. h. Solea vulgaris, see Pleuronectes solea.—1860: Dist.
- dujardini* Dies., 1850a, 420, t. h. Cyprinus erythrophthalmus.—1850: Diporpa (type). [1879: Diplozoon paradoxum, type.]
- dujonii* Braun, 1893a, 917, see also dujonis (Monost.).
- dujonis* Leuck., (1874), 419, t. h. Halicore dujong.—1874: Monost.
- duplicata* Baer, 1826, 124, t. h. Anadonta ventricosa; Regiomontii.—1826: Dist. 1856: Cerc. [1850: Rhopalocerca tardigrada, type.]
- duplicatum* Rud., 1819a, 125, Polyst. thynni 1811, renamed, t. h. Scomber thynnus; Balearic Isles.—1819: Polyst. 1845: Polyst. (Hexacotyle). 1850: Plagiopeltis (type).
- ecaudata* Eichwald, 1829a, 248, t. h. Lymnæus stagnalis.—1829: Cerc.
- echeneidis remoræ* Rud. (1821–8), 163, t. h. Echeneis remora.—18—?: Dist.
- echeneis* Wagener, 1857, 99, t. h. Chrysophrys aurata.—1857: Dactylogyrus. 1889: Diplectanum.
- echinata* Dies., 1858e, 367, new name for Dist. cyprini idi (peritonei), see Duj., and T. acerinae cernuæ, t. h. Leuciscus idus, Acerina cernua; Europe.—1858: Tetra-cotyle.
- echinata* Sieb., 1837, 187, t. h. Lymnæus stagnalis: Gedani.—1837: Cerc. 1855: Cerc. (Hormocerc.). 1858: Cerc. (Nephrocephala). [1858: Dist. echinatum.] 1861: Dist.
- echinata* Nord., 1840, 621.—1840: Fasc. [1840: F. trigonocephala.]
- echinatoides* Fil., 1854, 266, t. h. Paludina vivipara, P. achatina; Lake Varese, Lombardy.—1854: Cerc. 1855: Cerc. (Hormocerc.). 1858: C. (Nephrocephala). [1858: Dist. echiniferum.]
- echinatoides* Dies., 1858d, 263, for echinatoides anodontæ.—1858: Dist.
- echinatoides anodontæ* Pag., 1857, 32, t. h. Anadonta cygnea.—1857: Dist.
- echinatum* Linst., 1878, 223, t. h. Pandion haliaëtus.—1878: Monost.
- echinatum* Fil., 1837a, 338, t. h. Paludina impura; Italy.—1837: Heterost. (type). 1858: Cercariæum.
- echinatum* Zed., 1803a, 220, t. h. Anas domestica, A. querquedula; includes: Cucul-lanus conoideus Bloch, 1782; Planaria teres Gørze, 1782; Dist. anatis Zed., 1800; Festucaria anatis Schrank; Fasc. anatis Gmelin.—1803: Dist. 1828: Echinost., type. 1809: D. (Echinost.).
- echinifera* LaValette, 1855, 14, t. h. Paludina vivipara.—1855: Cerc. 1855: Dist. [1856: Cerc. echinatoides.] [1858: C. (Nephrocephala) echinatoides.] [1873: Dist. militare.] 1892: Echinost.

- echiniferum paludinae* Pag., 1857, 30, t. h. *Paludina vivipara*.—1857: Dist.  
*echinocephalum* Rud., 1819a, 115, t. h. *Falco milvus*; includes *D. milvi*.—1819: Dist. (Echinost.). 1860: Echinost.  
*echinocerca* Fil., 1855b, 17, t. h. *Buccinum linnæi*; Golf de Gênes.—1855: Cerc. 1858: *Histrionella*. [1858: Dist. appendiculatum.]  
*echinostomum* Dies., 1850a, 326, t. h. *Cathartes aura* and *Sula fusca*; Brazil; includes Dist. planicollis Rud., from *Pelecanus sula* in Brazil.—1850: Monost. [1902: Anoiost. planicollis.]  
*echiuri* Greef, 1879a, 130, t. h. *Echiurus pallasi*.—1879: Dist.  
*efemera* Ssinitzin, 1905, 158, for *ephemera* (Cerc.).  
*ehrenbergii* Focke, 1836a, 191.—1836: *Planaria*.  
*elaphi* Gmelin, 1790a, 3054, cervi renamed, t. h. *Cervus elaphus*.—1790: Fasc. 1800: Monost. [1850: Amphist. conicum.]  
*elegans* Baer, 1826, 125, t. h. Stör=*Acipenser sturio*.—1826: *Nitzschia* (type). 1864: Trist.  
*elegans* Ben., 1858a, 1861a, 60, t. h. *Sciæna aquila*; Belgium.—1858, 1861: *Calceost.* (type.)  
*elegans* Dies., 1858e, 364, new name for *Epibdella sciænæ*, t. h. *Sciæna aquila*; near Ostend.—1858: *Benedenia* (type).  
*elegans* Goto, 1894a, 188, t. h. *Scombrops chilodipteroides*; Japan.—1894: *Microcotyle*.  
*elegans* Looss, 1899b, 692, t. h. *Phœnicopterus roseus*; Gizeh.—1899: Echinost.  
*elegans* Mont., 1890, 191, *Raja clavata*; Naples.—1890: *Acanthocotyle*.  
*elegans* Mueller in LaValette, 1855, 13, free form.—1855: Cerc. 1858: *Histrionella*.  
*elegans* Ols., 1868, or 1869, 2, t. h. *Chimæra monstrosa*; Skagerrack.—1868: *Macraspis* (type). [1888] 1891: *Aspidogaster*.  
*elegans* Rud., 1802, 65, t. h. *Fringilla domestica*; Greifswald.—1802: Fasc. 1809: Dist. 1845: *D. (Brachylaimus)*. 1902: *Plagiorchis*.  
*elegans* Nord., 1832, 106, t. h. *Cyprinus brama*.—1832: *Gyrodactylus* (type).  
*elegans* Nord., 1840, 597, 600, includes *crassicaudatum* (*Diklibothrium*), t. h. *Acipenser stellatus*.—1840: *Hexacotyle*.  
*elephantis* Dies., 1858, 354, based on Jackson, 1847, 317, t. h. *Elephas indicus*.—1858: Dist. 1892: *Cladocœlium*.  
*ellipticum* Stoss., 1886, 64, for *ellipticum* Mol., 1858.—1886: *D. (Echinost.)*.  
*ellicticum* Mont., 1892, 715, for *ellipticum* (Monost.).  
*elliptica* Dies., 1850a, 421, t. h. *Labrax mucronatus*.—1850: *Plectanocotyle* (type). 1858: *Plectanophorus* (type).  
*ellipticum* Mol., 1858, 130, t. h. *Acipenser nasus*; Patavii.—1858: Dist. 1886: *D. (Echinost.)*.  
*ellipticum* Brand., 1888a, 59, t. h. *Playa cayana*; Brazil.—1888: Hemist.  
*ellipticum* Brand., 1888a, 67, t. h. *Bubo magellanicus*; Brazil.—1888: Holost.  
*ellipticum* Rud., 1809a, 333, *M. bombynx* 1800, renamed.—1809: Monost. (Monost.). [1853: Dist. variegatum.]  
*ellipticus* Pratt, 1903, 25, t. h. *Heterodon platyrhinus*; North America.—1903: *Renifer* (type).  
*elongata* Goto, 1894a, 210, t. h. *Pagrus tumifrons*; Mogi and Hakodate, Japan.—1894: *Diclidophora*.  
*elongata* Nitzsch, 1826, 150, t. h. Stör.—1826: Trist. 1840: *Capsala*. [1850: *N. elegans*.] 1865: *Nitzschia*.  
*elongatum* Mehlis, 1831, 177, t. h. *Larus argentatus*, *L. marinus*, *L. ridibundus*.—1831: Dist.  
*elongatum* J. Poir., 1883, 76, t. h. *Palonia frontalis*; Java.—1883: *Gastrothylax*. 1903: Amphist.  
*elongatus* Pratt, 1903, 25, t. h. *Heterodon platyrhinus*; North America.—1903: *Renifer*.  
*emarginata* Ols., 1876, 11, t. h. *Raja clavata*.—1876: *Onchocotyle*. 1890: *Octocotyle*.  
*emarginatum* Rud., 1819a, 124.—1819: Pentast.  
*emarginatum* Dies., 1839a, 237, t. h. *Callithrix noctivaga*; Matogrosso, Brazil.—1839: Amphist.  
*ematobia* Sons., 1884, 20, for *hæmatobia* (*Bilharzia*).

- emberizæ citrinellæ* Dies., 1836d, 253.—1836: Amphist.
- embryo* Olfers, 1816, 110, t. h. *Perca vulgaris*, *P. cernua*.—1816: Dist.
- emendatus* Braun, 1901g, 895, new name for *Dist. meropis* of Par. [not of Rud.] = *Megacetes triangularis* of Looss [not *D. triangulare* Dies.]; t. h. *Merops apiaster*.—1901: *Eumegacetes* (type).
- [*endemica* Sons., 1884, 17, not as specific name.—1884: Dist. 1884: *Bilharzia*.]
- endemica* Bætz, 1883, 235, t. h. *Homo*; Japan.—1883: *Dist. hepatis*. 1892: *D. (Brachylaimus)*. [1907: *Clonorchis*.]
- endemium hepatis* St.-Remy, 1883, 528, cf. *hepatis endemicum*.—1883: Dist.
- endobala* Ssinitzin, 1906, 685, for *endoloba* (*Opisthioglyphe*).
- endobola* Ssinitzin, 1905, 121, for *endoloba* (*Opisthioglyphe*).
- endobolium* Mont., 1891, 110, for *endolobum* (Dist.).
- endolobium* Gurlt, 1845a, 288, for *endolobum* (Dist.).
- endolobum* Duj., 1845a, 397, t. h. *grenouilles vertes et rousses, et la Salamandre*; Rennes.—1845: Dist. 1899: *Opisthioglyphe* (type).
- engæi* Haswell, 1893e, 97, t. h. *Engæus fossor*; Gippsland.—1893: *Temnocephala*.
- engæi* Mont., 1899, 83, for *engæi* (*Temnocephala*).
- enterarchos* de Fil.—Dist. [1896: *D. crassicolle*.]
- entzi* Ratz, 1900, 534, t. h. *Ardea purpurea*.—1900: *Opisthorchis*.
- epatica* Brera, 1809a, 92, for *hepatica* (Fasc.).
- epatica* Rosa, 1794, 5, in *Ardea purpurea*.—1794: Fasc. [1850: *Dist. heterostomum*.] [1900: ? *Clinost. heterostomum*.]
- epatico* Galli-Valerio, 1893a, 178 (Dist.), see *hepatica*.
- ephemera* Nitzsch, 1807, 33, t. h. *Planorbis corneus*; Halle.—1807: Cerc. 1828: *Histionella* H. & E., type. [1858: *Glenocerc. flava*.] [1858: *Dist. trigonocephalum*.]
- epichitum* Fischder., 1904, 458, t. h. *Bos taurus indicus*, *Buffelus indicus*; Cochinchina.—1904: *Paramphist*.
- equi* Gmelin, 1790a, 3054, t. h. *Equus caballus*.—1790: Fasc. *hepatica*.
- equi* Burke, 1882a, 322, t. h. *Equus caballus*.—1882: *Hæmatobium*.
- ercolani* Mont., 1893, 40, for *ercolanii*.—1893: Dist.
- ercolanii* Mont., 1893, 40.—1893: Dist. 1895: *D. (Dicrocoelium)*. 1901: *Telorchis*.
- ericetorum* Linst., 1898, 761, t. h. *Xerophilus ericetorum*; near Göttingen, Germany.—1898: Cerc.
- erinacei* E. Bl., 1847a, 300, t. h. *Erinaceus europæus*; Paris.—1847: *Brachylæmus*. [1850: *Dist. linguæforme*.] 1889: Dist. [1898: *Mesogonimus*.]
- erinaceum* Poir., 1886, 37, t. h. *Delphinus delphis*.—1886: Dist. 1892: *D. (Dicrocoelium)*. [1899: ?*Astia*.] 1904: *Astiotrema*.
- eriosci* Mueller, 1784, 92; [1788], 42, t. h. *Salmo eriox*.—[1788]: Fasc. 1803: Dist. [1850: *D. hyalinum*.]
- erraticum* Rud., 1819a, 120, t. h. *Fringilla linaria*, *Motacilla alba*, *Parus cœruleus*, *P. major*, *P. palustris*, *P. pendulinus*.—1819: Dist. 1899: *Plagiorchis*.
- erraticum* Rud., 1808a, 458; 1809a, 344, t. h. *Larus septentrionalis*; Greifswald, Europe.—1808: Amphist. 1845: *Holost*.
- erythrini* Ben. & Hesse, 1863, 115; 1864, 115, t. h. *Pagellus erythrinus*.—1863: *Microcotyle*.
- erythrini* Braun, 1890d, 418, for *erythrini* (*Microcotyle*).
- erythrope* Dies., 1855a, 400, based on Cerc. *paludinae impure* Baer, 1827b, 655.—1855: *Cercariaeum*. 1858: *Histionellina*.
- esmarkii* Scott, 1901, 147, t. h. *Gadus esmarkii*; Shetland.—1901: *Octobothrium*.
- esocis lucii* Rud., 1809a, 438, based on Rud., 1803, 29.—1809: Dist.
- euculus* McCrady, 1874, misprint for *cuculus* (*Bucephalus*).
- euryporum* Looss, 1896, 144, t. h. *Milvus parasiticus*; Cairo, Egypt.—1896: *Echinost. eurystomum* Linst., 1877, 183, t. h. *Anas clangula*.—1877: Dist. 1892: *D. (Dicrocoelium)*.
- eustemma* Brand., 1888a, 65, *Eustemma caryophyllum* renamed, t. h. *Accipiter pileatus*; Brazil.—1888: *Holost*.
- hexacantha* Mont., 1891, 104, for *hexacantha* (*Placunella*).

- exachanthus* Massa, 1903, 255, for hexacanthus (Trochopus).
- exasperatum* Rud., 1819a, 117, t. h. *Sorex eremita*; Mus. Vienna.—1819: Dist. 1819: D. (Echinost.). 1845: D. (Brachylaimus).
- excavata* Rud., 1803a, 28, t. h. "Storch," *Ardea ciconia*; Greifswald.—1803: Fasc. 1809: Dist. 1819: Holost. 1819: Amphist. 1850: Hemist.
- excavatum* Nord., in Dies., 1850a, 428, renamed *nordmanni* 1850, in Brandi mediterranea.—1850: Trist. [1850: *Encotyllabe nordmanni*.]
- excisiforme* Cohn, 1902k, 54, t. h. *Scomber scomber*.—1902: *Lecithocladium*.
- excissum* Mont., 1891, 520, for *excisum* (Apoblema).
- excisum* Rud., 1819a, 112, t. h. *Scomber scomber* at Arimini; *S. colias* at Naples.—1819: Dist. 1828: Fasc. 1845: Dist. (Crossodera). 1886: D. (Apoblema). 1889: Apoblema. 1899: *Hemiusurus*. 1901: *Lecithocladium* (type). 1902: D. (*Lecithocladium*).
- excisum* Linst., 1906, 12, t. h. *Aegolius otus*, *Strix flammea*.—1906: Holost.
- exfoliata* Moul., 1856a, 87, new name for Dist. of *Leucochloridium paradoxum*.—1856: Cerc.
- exigua* Looss, 1896, 230, t. h. *Cleopatra bulimoides*; Egypt.—1896: Cerc.
- exiguum* Mueh., 1898, 17, t. h. *Circus rufus*.—1898: Dist. 1898: *Opisthorchis*. 1899: *Holometra* (type).
- exiguum* Mehlis in Crep., 1846, 145, t. h. *Cygnus musicus*.—1846: Holost.
- exile* Stoss., 1902, 17, t. h. *Totanus ochropus*.—1902: *Cycloceelum*.
- exilis* Looss, 1899b, 628, t. h. *Bagrus bayad*; Cairo, Egypt.—1899: *Leptalea* (type). 1900: *Emoleptalea* (type).
- exocæti* Par. & Perugia, 1893, 1, includes *Monost. filum* G. Wagener [not Duj.], t. h. *Exocætus volitans*; Genova.—1893: *Didymozoon*.
- expansum* Crep., 1842, 327, t. h. *Aquila haliaëtus*.—1842: *Monost.* 1892: Dist. 1901: *Tocotrema*. 1903: *Scaphanocephalus* (type).
- explanatum* Crep., 1847, 34, t. h. *Bos taurus indicus*; Berlin.—1847: *Amphist.* 1904: *Paramphist.*
- espinosum* Hausmann, 1896, 391, t. h. *Barbus fluviatilis*.—1896: Dist. [D. *perlatum*.] 1899: *Asymphyllodora*.
- faba* Bremser in Schmalz, 1831, 11, t. h. *Parus major*, *Silvia sibilatrix*, *Motacilla boarula*.—1831: *Monost.* 1860: *Wedlia*. 1904: *Monostromum*, misprint.
- fabaceum* Dies., 1838, 189, in *Manatus australis*; 1839a, 236, in *Manatus exunguis*; at Borba and Forte do Rio Branco, Brazil.—1839: *Amphist.* 1901: *Chiorchis* (type).
- faberii* Mol., 1859, 289, t. h. *Cantharus vulgaris*; Batavii.—1859: Dist. 1886: D. (Brachylaimus).
- factum* Mont., 1893, 32, misprint for *fractum* (Dist.).
- falcatus* Wedl, 1857, 258, t. h. *Cyprinus* sp.—1857: *Gyrodactylus*. 1858: *Dactylogyrus*.
- falcolacæ* Leidy MS. in Stiles & Hass., 1894d, 250.—1894: Dist. [probably *trapezium*].
- falconis chrysaëti* Rud., 1809a, 429, D. *felleum falconis chrysaëti*; Viborg.—1809: Dist.
- falconis milvi* Rud., 1809a, 429, for Fasc. *milvi* Gmelin.—1809: Dist.
- falconis palumbæ* Baird, 1853a, 47.—1853: *Amphist.* [1853: *Holost. macrocephalum*.]
- falconis palumbarii* Rud., 1819a, 88, syn. of *macrocephalum* (*Amphist.*).
- falconis palumbi* Viborg, 1795, 243.—1795: *Strigea*. 1809: *Amphist.*
- falconis peregrini* Rud., 1819a, 92, t. h. *Falco peregrinus*; Berlin. Germany.—1819: *Amphist.*
- falconis rufi* Rud., 1819a, 119, t. h. *Falco rufus*; Cat. Ent. Vien.—1819: Dist. [1850: D. *lineola*.]
- falconum* Dies., 1858, 322, t. h. *Falco nisus*, *F. rufus*; Ireland.—1858: *Holost.*
- fallax* Rud., 1819a, 117, t. h. *Uranoscopus scaber*; Naples.—1819: Dist. (Echinost.). 1860: *Echinost.* 1899: *Anoiktost.* 1901: *Anisogaster* (type). 1902: *Anisocladium* (type).
- fallax* Dies., 1850a, 297, Cerc. VII Baer, *C. echinata* Sieb., Dist. *pacifica* Steenstrup, renamed; t. h. *Paludina vivipara*; Regiomontii (Baer).—1850: Cerc. 1855: C. (Eucerc.). [1858: Dist. *militare*.] 1858: C. (*Gymnocephala*).
- fallax* Wagener, 1857, 55, t. h. *Cyprinus erythrophthalmus*, *C. rutilus*.—1857: *Dactylogyrus*.

- farionis* Mueller, 1784, 91, t. h. *Salmo fario*; [1788], 42.—[1788]: Fasc. [1814: Dist. laureatum.] 1891: Dist.
- fasciata* Haswell, 1887a, 284, t. h. *Astacopsis serratus*; N. S. Wales.—1887: Temnocephala.
- fasciatum* Rud., 1819a, 97, t. h. *Labrus tinca*, L. *merops*, *Perca marina*; Naples.—1819: Dist. 1886: D. (*Dicrocoelium*). [1899: Creadiinae.] 1901: Allocreadium. 1902: Helicometra. 1902: Loborchis.
- fasciatus* Stoss., 1902, 25, t. h. *Numenius arquatus*; locality?—1902: Hæmatotrephus.
- fascicularis* Villot, 1875, 480, t. h. *Nassa reticulata*; Roscoff.—1875: Cerc.
- fasciolaris* Mueller, 1788.—1788: Hirudo. [1790: Fasc. anatis.] [1850: Dist. ovatum.]
- fastosum* Braun, 1901g, 896, t. h. *Caprimulgus* sp., *Squatarola helvetica*; Brazil.—1901: Stomylotrema.
- felineum* Rivolta, 1884, 20, t. h. *Felis catus* dom.; Italy.—1884: Dist. 1893: D. (*Dicrocoelium*). 1895: Opisthorchis (type). 1896: Dicrocoelium. [1896: Prosthometra, type.] 1898: Campula. —: Dist. (Opisthorchis).
- felineum* of Ward, 1895, 152, see pseudofelineum.—1895: Dist.
- felinum* Ratz, 1896, 67, misprint for felineum (Dist.).
- felleum falconis chrysaëti* Viborg, 1795, 243.—1795: Dist. [1850: D. crassiusculum.]
- fellis* Ols., 1868, 44, t. h. *Anarhichas lupus*.—1868: Dist. 1886: D. (*Brachylaimus*).
- ferocis* Mont., 1888a, 14, apparently for *ferox* (Dist.).
- ferox* Rud., 1795a, 15, t. h. *Ardea ciconia*; Greifswald.—1795: Fasc. 1803: Dist. 1809: D. (*Echinost.*). 1828: Echinost.
- ferruginosum* Linst., 1877, 184, t. h. *Barbus fluviatilis*.—1877: Dist. [1894: D. perlatum.]
- ferrum-equinum* Dies., 1836d, 238, t. h. *Cataphractus murica*, C. corome; Cuyaba and Matogrosso, Brazil.—1836: Amphist.
- festæ* Borelli, 1898, 6 pp.—1898: Plan.
- filaria* Bosc, 1802a, 261.—1802: Plan.
- flarina* Ben., 1858 or 1861, 108, t. h. *Scisæna aquila*; Ostend.—1858: Nematobothrium (type). 1859: Monost.
- filicollæ* Rud., 1819a, 85, t. h. *Brama raji*; Naples.—1819: Monost. (Monost.). 1858: Dist. 1860: Köllikeria (type). 1886: D. (Köllikeria).
- filicollæ* Mont., 1893, 150.—1893: Didymozoon.
- filiferum* Sars, 1885, 222, t. h. *Nematoscelis megalops*, *Thysanoëssa gregaria*; South Atlantic Ocean.—1885: Dist.
- filiforme* Rud., 1819a, 112, t. h. *Cepola tænia*, at Arimini; C. rubescens.—1819: Dist.
- filigerum* Rud., teste Risso, 1826, 262, de la castagnolle.—1826: Monost.
- filum* Duj., 1845a, 418, t. h. *moineaux*; Rennes.—1845: Dist. (*Brachylaimus*).
- filum* Duj., 1845a, 362, t. h. *Scomber scombrus*; Rennes.—1845: Monost.
- fimbriata* Gœze, 1782a, 180.—1782: Fasc. [1810: Caryophyllæus mutabilis.]
- fimbriatum* Busch, 1851, 99, t. h. *Sagitta*.—1851: Dist.
- fimbriatum* Mol., 1859, 819, t. h. *Anguilla vulgaris*; Batavii.—1859: Gasterost.
- fimbriatum* Sieb., 1848, v. 1, 129, t. h. *Perca fluviatilis*, *Lucioperca*; Europe.—1848: Gasterost. (type).
- finta* Ben. & Heese, 1863, 1864, 101, t. h. *Alosa finta*.—1863: Ophicotyle (type). 1879: Octobothrium.
- finta* Mont., 1888a, 13.—1888: Glossocotyle.
- fissa* Bory de St. Vincent, 1824a, 456.—1824: Histriionella. [1850: Malleolus furcatus.]
- fissicanda* Moul., 1856a, 109, for fissicauda (Cerc.).
- fissicauda* Dies., 1858d, 243, cristata Valette renamed.—1858: Lophocerc. (type).
- fissicauda* Dies., 1858d, 269, ocellata (Cerc.) renamed.—Histriionellina.
- fissicauda* La Valette, 1855, 21, t. h. *Limnæus stagnalis*.—1855: Cerc. 1858: C. (*Schizocerca*).
- fissicaudata* Mont., 1888, 196, for fissicauda (Cerc.).
- floccida* Mueller, 1774, 57, free form.—1774: Fasc. 1776: Plan.
- flagellatum* Moniez, 1891, 27, t. h. *Gymnotus electricus*.—1891: Dist.
- flava* Stoss., 1903, 373, t. h. *Centropristis hepatus*; Triest.—1903: Helicometra.

- flava* La Valette, 1855, 24, *C. ephemera* Nitzsch renamed.—1855: Cerc. 1858: Glenocerc. 1858: Monost. [See *flavum*.]
- flavescens* Ben., 1870, 47, t. h. *Gobius jozo*, *G. minutus*.—1870: Dist. 1886: D. (*Brachylaimus*).
- flavescens* Pag., 1857, 34, t. h. *Bulimus radiatus*; Heidelberg.—1857: Dist. 1858: Cercariaeum.
- flavocinctum* Linst., 1879, 183, t. h. *Anguis fragilis*.—1879: Dist. [1897: D. crassicolle.]
- flavopunctata* Par., 1894, 703, for *fulvopunctata* (Cerc.).
- flavum* Mehlis, 1831, 172, t. h. *Anas mollissima*, *A. fusca*, *A. marila*, *A. fuligula*.—1831: Monost. 1858: Glenocerc. 1902: Typhlocœlum (type). [See *flava*.]
- flexum* Lint., 1892, 98, t. h. *Oedemia americana*.—1892: Dist. 1899: Echinost.
- flexuosum* Rud., 1808a, 346; 1809a, 50, t. h. *Talpa europæa*.—1809: Dist. 1845: D. (*Dicrocœlium*). 1899: *Omphalometra* (type).
- fodicans* Braun, 1901g, 896, t. h. *Sterna nigra*; Vien. Mus. no. 631.—1901: *Cathæmasia*.
- fœcundum* Lint., 1900, 269, t. h. *Lopholatilus chamaeleonticeps*.—1900: Dist.
- fœtorii* Linst., 1876, 1, t. h. *Fœtorius putorius*.—1876: Tetracotyle.
- foliaceum* Mol., 1859, 288, t. h. *Gobius paganellus*; Batavii.—1859: Dist.
- foliaceum* Rud., 1819a, 83, t. h. *Accipenser sturio*; Arimini.—1819: Monost. (Monost.). 1859: *Amphilina*.
- foliaceum* Goto, 1894a, 248, host unknown.—1894: Trist.
- foliatum* Lint., 1898, 532, t. h. *Mola mola*.—1898: Dist. 1902: Orophocotyle. 1904: *Accacœlium*.
- folii* Looss, 1894a, 256, Dist. *duplicatum*.—1894: Cerc.
- foliiforme* Crep., 1846, 149, t. h. *Squalus griseus*.—1846: Dist.
- foliiforme* Braun, 1899g, 490, t. h. *Ardea purpurea*; Italy.—1899: Clinost.
- folium* Olfers, 1816, 45, t. h. *Esox lucius*.—1816: Dist. [1894: *Rhopalocerca tardigrada*, type.] 1899: *Spathidium* (type). 1899: *Phyllodist.* (type). [1906: *Gorgoderina*.]
- forceps* Leuck. (1857), 26.—1857: *Dactylogyrus*.
- forcipata* Mueller, 1786, 134, in *aqua palustri rarissime*.—1786: Cerc. 1827: *Dicranophorus*.
- formosum* Sons., 1890, 134, t. h. *Grus cinerea*.—1890: Dist. 1892: *Polyorchis*.
- formosum* Staff., 1904, 486, t. h. *Hippoglossus hippoglossus*; Canada.—1904: *Stegano-derma* (type).
- formosum* Pratt, 1903, 34, t. h. a frog.—1903: *Ostiolum* (type).
- fractum* Rud., 1819a, 107, t. h. *Sparus salpa*; Naples.—1819: Dist. 1886: D. (*Podocotyle*). 1898: *Podocotyle*.
- fragile* Lint., 1900, 269, t. h. *Mola mola*.—1900: Dist. 1904: *Stenocollum* (type).
- fragile* Olss., 1869, 4, t. h. *Raja batis*; Norway.—1869: *Microbothrium*. 1890: *Pseudocotyle*. [1897: *Micropharynx parasitica*, type.]
- fraterculus* Odhn., 1905, 343, t. h. *Phoca barbata*, *Odobenus rosmarus*; Spitzbergen.—1905: *Orthosplanchnus*.
- fraterna* Odhn., 1902, 19, t. h. *Harelda glacialis*.—1902: *Cyathocotyle*.
- fraternum* Looss, 1894, 42, t. h. *Pelecanus onocrotalus*; Egypt.—1894: Dist. 1899: *Cœnognomimus*. 1899: *Cotylogonimus*. 1902: *Heterophyes*.
- frulichii* Kowal., 1894, 3.—1894: Dist. 1894: Echinost. [1898: *E. conoideum*.]
- fulgopunctata* Braun, 1893a, 831 for *fulvopunctata* (Cerc.).
- fuligulae ferinæ* Dies., 1858c, 355, based on Bellingham, 1844, v. 13, 430, t. h. *Anas ferina*; Ireland.—1855: Dist. [1892: Echinost. *echinatum*.]
- fulva* Bosc., 1802a, 257.—1802: Plan.
- fulvopunctata* Erc., 1881 or 1882, see Par., 1894, 161, t. h. *Bythinia tentaculata*; Bologna.—Cerc.
- fulvum* Rud., 1819a, 98, t. h. *Gadus molva* at Naples; *G. mediterraneus*.—1819: Dist.
- fulvum* Duj., 1843, 340, t. h. *Sorex*.—1843: *Brachylaima*.
- furcata* Nitzsch, 1817, 49.—1817: Cerc. 1838: *Malleolus* (type).
- furecatum* Bremser in Rud., 1819a, 107, t. h. *Mullus surmuletus*, *M. rubescens* at Arimini; *Gadus molva* at Naples.—1819: Dist. 1828: Fasc. 1845: D. (*Podocotyle*). 1898: *Podocotyle*.

[*furcata* Eichwald, 1829a, 247.—Cerc.]

*furcigerum* Ols., 1868, 26, t. h. *Pleuronectes limanda*, *P. limandoides*.—1868: Dist. 1886: D.(*Dicrocoelium*). 1904: *Leioderma* (type). 1905: *Stringophorus* (type).

*fusca* Bosc., 1802, 271, in dorade.—1802: Fasc. 1885: Dist.

[*fusca* Sluiter, 1900, 7, (Dist.). a tunicate.]

*fusca* Pallas, 1774, 21, in aq. stag.; Europe.—1774: Fasc.

*fusca* Fabricius, 1798, 58, syn. *Fasc. angulata*.—1798: Plan.

[*fusca*, (Diplost.) mammal.]

*fuscatum* Rud., 1819a, 101, t. h. *Tetrao coturnix*; Ancona.—1819: Dist. —: D. (*Dicrocoelium*). 1902: Harmost.

*fuscescens* Rud., 1819a, 113, t. h. *Sparus dentex*; Arimini.—1819: Dist. 1886: D. (*Dicrocoelium*).

*fuscescens* Fabricius, 1798, 58.—1798: Plan.

*fusiiforme* Luehe, 1901, 476, t. h. *Conger conger*; Coll. Berlin.—1901: *Lecithochirium*.

*fusiiforme* Zed., 1800a, 163, *Fasc. upupæ* Schrank, 1790, renamed.—1800: Dist. [1850: D. involutum.]

*fusiiformis* Goto, 1894a, 192, t. h. *Centronotus rubulosus*; Japan.—1894: *Microcotyle*.

*gadi* Dies., 1855, 64, based on Bellingham, 1844, 428, t. h. *Gadus æglefinus*; Ireland.—1855: Dist.

*gadi æglefini* Dies., 1858e, 341, based on Bellingham, 1844, 428; renamed *anonymum* 1858e, 341.—1858: Dist.

*gadum* Ben., 1870, 60, t. h. *Merlangus carbonarius*.—1870: Echinost.

*gadum* Rathke, 1799, 68.—1799: *Hydatula*. 1851: *Nematoideum*. 1878: *Gasterost*.

*galactosomum* Leidy, 1888i, 166, t. h. *Labrax lineatus*; U. S. A.—1888: Dist.

*galeatum* Rud., 1819a, 86, t. h. *Centronotus glaucus*; Naples.—1819: Monost. (Monost.). 1898: *Gasterost*.

*gammari* Rentsch, 1860, 35, t. h. *Gammarus ornatus*.—1860: Dist.

*gammari* Linst., 1877, 186, t. h. *Gammarus pulex*.—1877: Dist.

*gammari ornati* Rentsch, 1860, pl. 12, fig. 2, see *gammari* (Dist.).

*garzetta* MacCallum, 1904, 541, t. h. *Garzetta nigripes* Temm.—1904: Echinost.

*gastrocolum* Leidy, 1891a, 414, t. h. *Trichiurus lepturus*; U. S. A.—1891: Dist.

*gastroporus* Luehe, 1901p, 166, t. h. *Rana cyanophlyctis*; India.—1901: *Pleurogenes*.

*gelatinosum* Rud., 1819a, 102, t. h. *Testudo mydas*; Arimini.—1819: Dist. 1895: D. (*Dicrocoelium*). 1901: *Rhytidodes* (type).

*gelatinosum* of Poir., see *poirieri*.

*gemellatum* Mont., 1892, 716, for *gemellum* (Monost.).

*gemellum* Steenstrup, 1860, 113, t. h. *Sphyræna baracuda*.—1860: Monost.

*geminum* Bremser in Schmalz, 1831, 13, for *M. faba*.—1831: Monost. [1853: *M. faba*.]

*geminum* Looss, 1896, 50, t. h. *Milvus parasiticus*; Cairo.—1896: Dist. 1898: *Opisthorchis*.

*genata* Looss, 1907, 488, t. h. *Pelecanus onocrotalus*; Egypt.—1907: *Pygidiopsis* (type).

*geniculatum* Dies., 1850a, 373, *D. physophoræ* renamed, t. h. *Physophora tetrasticha*; Naples.—1850: Dist.

*genu* Rud., 1819a, 107, t. h. *Labrus luscus*; Naples.—1819: Dist. 1901: *Allocreadium*.

*gesserensis* Bosc, 1802a, 262.—1802: Plan.

*giardi* Stoss., 1898, 50, for *giardii* (Dist.).

*giardii* Stoss., 1889, 25, t. h. *Naucrates ductor*; Trieste.—1889: Dist.

*gibba* Mueller, 1773, 120, in infusione *jungermanniæ tamarisci*.—1773: Cerc. 1827: *Macrocerus*.

*gibba* Fil., 1854b, 266, t. h. *Lymnaeus pereger*.—1854: Cerc. 1855: C. (*Xiphidiocerc*). 1858: C. (*Acanthocephala*).

*gibbosa* Rud., 1802b, 81, t. h. *Esox belone*.—1802: Fasc. 1809: Dist. 1845: D. (*Podocotyle*). 1901: *Lecithaster*.

*gibbum* Mehlis in Crep., 1846, 137, t. h. *Fulica atra*.—1846: Monost.

*giganteum* Dies., 1858e, 331, *gigantica* Cobbold, 1855, renamed.—1858: Dist. 1892: *Cladocœlium*.



- giganteum* Dies., 1836d, 238, pl. 22, figs. 5-6, t. h. *Dicotyles albicastris* at Nas Frechas and Caçara, and *D. torquatus* at Matogrosso; Brazil.—1836: Amphist. 1901: *Cladorchis* (*Stichorchis*, type).
- gigantica* Cobbold, 1855a, 262, t. h. *Giraffa camelopardalis*.—1855: Fasc.
- gigantocotyle* Brand., in Otto, 1896, 103, t. h. *Hippopotamus*.—1896: Amphist.
- gigas* Nardo, 1827, 68, t. h. *Proctostegus proctostegus*.—1827: Dist.
- glabrum* Crep., 1846, 148, t. h. *Salamandra maculosa*.—1846: Dist.
- glandulosum* Looss, 1896, 64, t. h. *Taphosus nudiventris*; Ghizeh.—1896: Dist. 1899: *Lecithodendrium*.
- glauca* Mueller, 1774, 60.—1774: Fasc. 1787: Plan.
- glauca* Bergh, 1884, 18, t. h. *Glaucus atlanticus*, etc.—1884: Dist.
- globicaudatum* Crep., 1849a, 64, for *globocaudatum* (Dist.).
- globifera* Lamarck, 1816, 182, for *globipora*.—1816: Fasc. 1816: Dist.
- globiparum* Ehrenberg, 1837b, Feb., 199, for *globiporum* (Dist.).
- globipora* Rud., 1802b, 72, t. h. *Cyprinus erythrophthalmus*.—1802: Fasc. 1809: Dist. 1845: *D. (Brachylaimus)*. 1886: *D. (Dicrocoelium)*. 1898: *Sphaerost.* (type).
- globipora* Erc., 1881 or 1882, see Par., 1894, 164, t. h. *Bythinia tentaculata*; Bologna.—Cerc.
- globiporum tincæ* Rud., see Dies., 1850a, 395.—1850: Dist. [1850: *D. perlatum*.]
- globocaudatum* Crep., 1825, 49, t. h. *Corvus cornix*.—1825: Dist. 1845: *D. (Brachylaimus)*.
- globosum* Ben., 1858a, 1861a, 193, quotes Siebold.—1858: Dist. [See also *D. orbiculare*.]
- globulus* Rud., 1814a, 104, t. h. *Anas fuligula*; Greifswald.—1814: Dist. [1902: *Psilost.*]
- glottoides* Klein, 1905, 72, t. h. *Rana hexadactyla*.—1905: Ganeo (type).
- gobii* Rentsch, 1860, 43, t. h. *Gobius minutus*.—1860: Dist.
- gobii* Stoss., 1883, 116, t. h. *Gobius jozo*, in int.; Triest.—1883: Dist. 1886: *D. (Dicrocoelium)*. 1902: *Loborchis*. 1904: *Helicometra*.
- gobii* Stoss., 1898, 58, encysted on intest. of *Gobius jozo*; Triest, Austria.—1898: *Agamodist.*
- gobii minuti* Rentsch, 1860, for *gobii* Rentsch (Dist.).
- goliath* Ben., 1858b, 95, t. h. *Balæna*.—1858: Dist. [1902: *Lecithodesmus* (?type).] 1905: *Lecithodesmus* (type).
- goliath* of Lœnnberg, 1891, 71.—Dist. [1902: *Lecithodesmus* (type).]
- gonocephala* Ackermann, 1905, 137.—1905: Plan.
- gorgoderæ cygnoides* Kowal., 1904, 24, in *Cyclas cornea*; Dublany.—1904: Cerc.
- loossi* (Cerc.) Ssintizin, 1905, see under *loossi*.
- pagenstecheri* (Cerc.) Ssintizin, 1905, see under *pagenstecheri*.
- varsoviensis* (Cerc.) Ssintizin, 1905, see under *varsoviensis*.
- vitelliloba* (Cerc.) Ssintizin, 1905, see under *vitelliloba*.
- gorgon* Lint., 1905, 327, t. h. *Seriola lalandi*; Beaufort, N. C.—1905: *Gasterost.*
- gracile* Fischder., 1901a, 368, t. h. *Bos kerabau* from Ceylon; *Portax tragocamelus*.—1901: *Paramphist.*
- gracile* Leidy, 1856, 45, t. h. *Pomotis vulgaris*, Esch.—1856: *Clinost.* (type). 1858: Dist.
- gracile* Rud., 1809a, 326, based on Acharius, 1790, 55, t. h. *Salmo eperlanus*.—1809: *Monost.* (*Hypost.*).
- gracile* Rud., 1819a, 89, t. h. *Mergus merganser*, *M. albellus*; Mus. Vienn.—1819: *Amphist.* 1845: *Holost.*
- gracilescens* Rud., 1819a, 111, t. h. *Lophius piscatorius*; Triest.—1819: Dist. 1852: *Gasterost.* 1858: *Rhipidocotyle* (?type). [*Bucephalus haimeanus*.]
- gracilis* Fil., 1837, 336, t. h. *Planorbis nitidus*; Italy.—1837: *Redia* (type). [1855: *Diplocotyle mutabilis*.]
- gracilis* Kath., 1894a, 129, t. h. see p. 278.—1894: *Gyrodactylus*.
- gracilis* La Valette, 1855, 20, t. h. *Planorbis corneus*.—1855: Cerc. 1858: *C. (Schizocerca)*.
- gracilis* Wedl, 1861, 480, t. h. *Hydrocyon dentex*.—1861: *Dactylogyrus*.

- gracilis* Looss, 1901e, 660, t. h. *Uranoscopus scaber*; Triest.—1901: *Anisogaster*.
- grande* Dies., 1839a, 237, t. h. *Chelys*, *Phrynos*, *Peltocephalus*, *Podocnemis*, *Rhinemys*; Brazil.—1839: *Amphist*.
- grande* Rud., 1819a, 676–677, t. h. *Platalea ajaja*; Brazil.—1819: *Dist*. 1902: *Mesaulus* (type).
- grande* Dies., 1850a, 307, t. h. *Ardea leuce*, *A. agami*; Brazil.—1850: *Diplost*. 1890: *Hemist*. [1890: *H. macropterum*.]
- grandiporum* Rud., 1819a, 110, t. h. *Muraena helena*; Naples.—1819: *Dist*. 1886: *O. (Apoblema)*. 1889: *Apoblema*. 1899: *Hemimurus*. 1901: *Lecithochirium*.
- granulosum* Looss, 1907, 483, t. h. *Vesperugo kuhli*; Cairo, Egypt.—1907: *Lecithodendrium*.
- granulum* Rud., 1809a, 394, includes *Fasc. scorpii* Mueller; t. h. *Cottus scorpius*.—1809: *Dist*.
- gratum* Biermer, 1863a, 395, for *crassum* (*Dist*.).
- gregarius* Looss, 1896b, 5, t. h. Egyptian buffalo; Egypt.—1896: *Gastrothylax*.
- grisea* Cern., 1899a, 376, t. h. *Hexacanthus griseus*.—1899: *Squalonchocotyle*.
- grisea* Bosc, 1802, 257.—1802: *Plan*.
- graculandicus* Levin., 1881a, 78, t. h. *Cottus scorpius*; Egedesminde.—1881: *Gyroductylus*.
- grossa* Mueller, 1774, 67.—1774: *Fasc*. 1776: *Plan*.
- grossa* Mueller, 1788, 21.—1788: *Hirudo*. 1865: *Phylline*. 1828: *Malacobdella*.
- grossa* Goto, 1894a, 220, t. h. *Thynnus* sp.; Misaki, Japan.—1894: *Hexacotyle*.
- gruis* Gmelin, 1790a, 3055, t. h. *Grus*.—1790: *Fasc*. 1803: *Dist*. [1850: *D. echinatum*.]
- guernei* Moniez, 1891, 148, t. h. *Thynnus alalonga*; Europe.—1891: *Nematobothrium*.
- gulo* Mueller, 1774, 56, free form.—1774: *Fasc*. 1776: *Plan*.
- gulosum* Lint., 1901, 415, t. h. *Rhombus triacanthus*.—1901: *Dist*.
- gurltii* Cobbold, 1860a, 42, t. h. *Lacerta agilis*.—1860: *Monost*.
- gurnardi* Ben. & Hesse, 1863, 1864, 103, t. h. *Trigla gurnardus*.—1863: *Phyllocotyle* (type).
- gurnardi* Ben. & Hesse, 1863, 1864, 96, t. h. *Trigla gurnardus*.—1863: *Platycotyle* (type).
- [*gutturialis* (*Bucephalus*), reptile.]
- gyrini* Lint., 1884, 141, t. h. tadpole of *Rana temporaria*.—1884: *Dist*.
- gyrinus* Mueller, 1773, 64, in *infusioni animali raro*.—1773: *Cerc*. 1827: *Macrocerus*.
- haematob* Ben., 1858a, 1861a, 219, for *haematobium* (*Dist*.).
- haematobia crassa*, see *crassa*.—1895: *Bilharzia*.
- haematobia magna* Kowal., 1895, see *magna*.—1895: *Bilharzia*.
- haematobium* Bilharz, 1852a, 72, t. h. *Homo*; Egypt.—1852: *Dist*. 1858: *Schistosoma* (type). 1858: *Gynæcophorus* (type). 1859: *Bilharzia* (type). 1860: *Thecosoma* (type). 1886: *D. (Bilharzia)*. [*Haematobium*.]
- haematobium venæ portarum* Hock or Pag., 1859, 42, for *haematobium* (*Dist*.).
- haematobium hominis* Dies., 1855, 63, for *haematobium*.—1855: *Dist*. [1895: *Bilharzia*.]
- hematoma* Braun, 1891d, 426, see *hematoma* (*Dist*.).
- haimeanus* Lacaze-Duthiers, 1854a, 294, t. h. *Ostrea edulis*, *Cardium rusticum*; Balearic Isles, Mahon, Cetta.—1854: *Bucephalus*. 1855: *B. (Bucephalopsis)* (type). 1856: *Cerc*. [*Gasterost. gracilescens*.]
- haimejanus* Erc., 1881e, 41, 87, for *haimeanus* (*Bucephalus* = *Cerc*.).
- halecia* Gmelin, 1790a, 3058, based on Leeuwenhoek, epist. 97, 47, t. h. *halece*.—1790: *Fasc*. 1803: *Dist*. [1809: *Dist. ocreatum*.]
- halosauri* Bell, 1887, 116, t. h. *Halosaurus macrochis*; Cape St. Vincent. 1887: *Dist*.
- hamatus* Rathke, 1843, 238, "for *Phylline hippoglossi*," on *Pleuronectes hippoglossus*; Europe.—1843: *Trist*. [1850: *Phylline hippoglossi*.] [1858: *Epibdella hippoglossi*.] [1879: *Trist. hippoglossi*.]
- hametobia* Kowal., 1895g, 58, for *haematobia* (*Bilharzia*).
- harengi* Ben. & Hesse, 1863, 1864, 98, t. h. *Clupea harengus*.—1863: *Octocotyle*. 1879: *Octobothrium*. 1889: *Octoplectanum*.
- hassalli* Goto, 1895, 352, t. h. *Kinosternon pennsylvanicum*; Md., U. S. A.—1895: *Polyst*.

- hasta* Looss, 1902m, 686, t. h. *Chelone mydas*; Egypt.—1902: Octangium.
- hawkesi* Sons., 1895, 187, for *hawkesii*, Amphist. (*Pseudodiscus*).
- hawkesi* Braun, 1893d, 466, for *hawkesii* (Amphist.).
- hawkesii* Cobbold, 1875n, 818, t. h. *Elephas indicus*; India.—1875: Amphist. 1895: A. (*Pseudodiscus*).
- helicis* Meckel [? see *helicis pomatiae*]. *Cercariæum*. [1899: Dist. *leptosomum*.]
- helicis* Leidy, 1847, 220, t. h. *Helix alternata*.—1847: Dist. [1855: *Cercariæum helicis alternatae*.] [1858: *Cercariæum vagans*.]
- helicis alternatae* Dies., 1855a, 389, Dist. *helicis* Leidy 1847 renamed.—1855: *Cercariæum*.
- helicis asperæ* Dies., 1850a, 302, t. h. *Helix aspera*, based on Duj., 1845a, 472.—1850: Heterost. 1850: Dist. 1855: *Cercariæum*.
- helicis asperæ* Dies., 1855a, 398, for *helicis asperæ*.—1855: Heterost. 1855: *Cercariæum*. 1856: Cerc.
- helicis carthusianellæ* Par., 1894, 164, t. h. *Helix carthusianella*; Bologna.—1894: Cerc.
- helicis maculosæ* Par., 1894, 164, t. h. *Helix maculosa*; Bologna.—1894: Cerc.
- helicis pomatiae* Dies., 1850a, 303, based on Meckel, 1846, 5, t. h. *Helix pomatia*.—1850: Heterost. 1850: Dist. 1855: *Cercariæum*.
- helicis viviparæ* Dies., 1850a, 298, t. h. *Paludina vivipara*; Vilnæ.—1850: Cerc.
- helluo* Mueller, 1774, 64.—1774: Fasc. 1787: Planaria.
- helostomatis* MacCallum, 1905, 673, t. h. *Helostoma temminckii*; Palembang, Sumatra.—1905: Cladorchis.
- heluans* Braun, 1899g, 490, t. h. *Ardea cœrulea*, *Nycticorax gardeni*; Rio de Janeiro.—1899: Clinost.
- hematoma* Semprum, 1890, 596, in *Homo*; Cuba.—1890: Dist.
- hemicyclum* Mol., 1859, 829, t. h. *Belone acus*; Batavii.—1859: Dist. 1886: D. (*Echinost.*).
- hendorfii* Lint., 1889, 163, t. h. *Coryphæna hippurus*; Caleta buena, Chile.—1889: Phylline. 1894: Epibdella. 1902: E. (Phylline). 1903: E. (*Benedenia*).
- hendorfii* Mont., 1902, 144, for *hendorfii* (*Epibdella*).
- hepatica* Ræderer, 1762, 537, see *Fasc. muris*.
- hepatica* Linn., 1758a, 648, t. h. *Ovis aries*; Europe.—1758: Fasc. (type). —: Dist. (type). 1836: Dyst. 1845: Dist. (*Cladocœlium*, type). 1845: *Fasciolaria*. 1863: Dist. (Fasc.). 1892: *Cladocœlium* (type).
- hepatica angusta* Rail., 1895, 338, t. h. cattle; St. Louis, Senegal, Africa.—1895: Fasc. 1898: Dist.
- hepatica apri* Gmelin, 1790a, 3054, based on Le Clerc, 1715a, 119; t. h. *Susscrofa*.—1790: Fasc.
- hepatica boum* Gmelin, 1790a, 3054, t. h. *Bos taurus*; Europe.—1790: Fasc.
- hepatica caviæ* Sons., 1896, 112, t. h. *Cavia*.—1896: Fasc.
- hepatica cervi* Gmelin, 1790a, 3054, t. h. *Cervus*.—1790: Fasc.
- hepatica equi* Gmelin, 1790a, 3054, t. h. *Equus caballus*.—1790: Fasc.
- hepatica ovata plana* Buchholzii Jærdens, 1802, 64.—1802: Fasc. [*Dicrocœlium lanceatum*.]
- hepatica porcorum* Gmelin, 1790a, 3054, t. h. *Sus scrofa dom.*; Europe.—1790: Fasc.
- hepaticum* Betegh, in Gomy, 1898, 328, for “amphistome hépatique” = A. *explanatum*.—1898: Amphist.
- hepaticum ægyptiaca* Looss, 1896b, 33, t. h. buffles, bœufs, moutons; Egypt.—1896: Dist. 1898: Fasc.
- hepaticum (perniciosum)* Taylor, 1884, 52, see *hepatis perniciosum*.—1884: Dist.
- hepaticum suis* Willach, 1893, 40, t. h. *Sus scrofa dom.*—1893: Monost. [1894: *Cysticercus tenuicollis*.]
- hepatis endemicum* Bælz, 1883, 234, t. h. *Homo*; Japan.—1883: Dist. [1907: *Clonorchis*.]
- hepatis innocuum* Caræs, 1888a, 41, for h. *innocuum* (Dist.).
- hepatis innocuum* Bælz, 1883, 236, t. h. *Homo*; Japan.—1883: Dist. [1907: *Clonorchis sinensis*.]

- hepatis perniciosum* Baelz, 1883, 234, t. h. Homo; Japan.—1883: Dist. [1907: *Clo-norchis endemicum*.]
- hepatium* Rivolta, 1884, 27, for hepaticum (Dist.).
- herdmani* Shipley & Hornell, 1904, 78, t. h. *Margaritifera vulgaris*; Ceylon.—1904: *Musalia* (type).
- heteracanthus* Massa, 1903, see *heteracanthus* (Trochopus).
- heteracanthus* Massa, 1903, 252, t. h. *Trigla corax*.—1903: Trochopus.
- heterobranchi* Wedl, 1861, 478, t. h. *Heterobranchus anguillaris*; Egypt.—1861: *Monocerca*, type.
- heterocerca* Goto, 1894a, 197, t. h. *Seriola quinqueradiata*; Hiroshima (Ujina Port), Mitsugahama, and Mitaaki, Japan.—1894: *Axine*.
- heteroclitum* Mol., 1859, 289, t. h. *Perdix coturnix*; Batavii.—1859: Dist. 1892: *Mesogonimus*. 1899: *Clinost*.
- heterocotyle* Ben., 1870, 67, t. h. *Clupea sprattus*.—1870: *Octost*. 1879: *Octobothrium*. 1885: *Octoplectanum*.
- heterolecithodes* Braun, 1899, 3, t. h. *Porphyrio porphyrio*; Madagascar, Africa.—1899: Dist. 1899: *Athasnia* (type).
- heteromorphum* Crep., 1837a, 317, t. h. *Trigonocephalus* sp.—1837: Dist.
- heterophyes* Perroncito, 1879, 6, for heterophyes (Dist.).
- heterophyes* Sieb., 1853, 62, t. h. Homo; Egypt.—1853: Dist. 1866: [*Heterophyes*, type.] 1858: *Dicrocoelium*. 1860: *Fasc*. 1890: *Mesogonimus*. 1899: *Cænogonimus* (type). 1899: *Cotylogonimus* (type). 1900: *Heterophyes* (type).
- heterophyes hominis* Dies., 1855, 64, for heterophyes.—1855: Dist.
- heteroporum* Duj., 1845a, 402, t. h. *Vespertilio pipistrellus*; Rennes.—1845: Dist. (*Brachycoelium*). 1899: *Pycnopus* (type). 1899: *Lecithodendrium*.
- heterostomum* Rud., 1809a, 50, t. h. *Ardea purpurea*; t. l. apparently Europe.—1809: Dist. 1845: Dist. (*Dicrocoelium*). 1899: *Clinost*. 1899: *Dicrocoelium*.
- heurteli* Poir., 1885, 9, t. h. *Thynnus vulgaris*.—1885: Dist.
- hexacantha* Par. & Perugia, 1889, 740, t. h. *Serranus gigas*; Genova.—1889: *Placunella*. 1906: Trochopus.
- hians* Rud., 1809a, 359, t. h. *Ardea nigra*; Greifswald.—1809: Dist. 1845: Dist. (*Dicrocoelium*). 1899: *Cathemasia* (type).
- hiatula* Goto, 1899a, 281, t. h. *Hiatula onitis*; Newport, R. I.—1899: *Microcotyle*.
- hillii* Johnston, 1904, 110, t. h. *Larus novæ hollandiæ*.—1904: *Holost*.
- himantopodis* Rud., 1819a, 87, t. h. *Charadrius himantopus*; Cat. Mus. Vien.—1819: *Monost*.
- hippocrepis* Dies., 1850a, 324, t. h. *Hydrochærus capybara*; Brazil. 1850: *Monost*.
- hippoglossi* Oken, see Tasch., 1878, 568.—1878: *Trist*. 1879: (*Epibdella*). 1899: *Phyllonella*.
- hippoglossi pleuronectes* Mont., 1889, 117 (*Epibdella*) see *Trist. uncinatum*.
- hippoglossi* Mueller, 1776a, 220 t. h. *Hippoglossus*; Denmark.—1776: *Hirudo*. 1815: *Phylline* (type?). 1828: *Epibdella* (type). 1878: *Nitzschia*. 1899: *Phyllonella*. 1905: *Phyllonella* (*Epibdella*). [*Entobdella*.]
- hippoglossii* Ben., 1858a, 1861a, 21 for *hippoglossi* Mueller, 1776.—1858: *Epibdella*. 1858: *Nitzschia*. 1858: *Nitzschia*. [1878: *Trist*.]
- hippopodii* Vogt, 1854, 97, t. h. *Hippopodius leteus*; Quoy et Gaimard, Mediterranean.—1854: Dist.
- hirudinis* Brand., 1888a, 13, for *hirudinis* (Dist.).
- hirsutum* Looss, 1896b, 68, t. h. *caméléon*; Alexandria, Egypt.—1896: Dist. 1899: *Lecithodendrium*.
- hirta* Mueller, 1786, 128, in aqua marina bis tantum.—1786: *Cerc*. 1827: *Coleps*, type.
- hirudinaceum* Bartels, 1834, 61, t. h. *Salmo lavaretus*; St. Petersburg.—1834: *Octobothrium*. 1845: *Octobothrium* (*Cyclocotyle*). [1850: *Discocotyle*.] 1858: *Placoplectanum* (*Discocotyle*).
- hirudinis* Mont., 1888, 10, for *hirudinis* (*Echinella*).
- hirudinis* Henle, see Dies, 1850a, 418, t. h. *Hirudo vulgaris*.—1850: Dist. [1850: *Hepast. hirudinum*.]
- hirundinum* Zed., 1800a, xvii, 163, for *hirudinis* Fœrlich.—1800: Dist. [1850: *D. maculosum*.] [1902: *Plagiorchis maculosus*.]

- hirudinum* Schomburgk, 1844, 136, includes *hirudinis*, t. h. *Nepheleis vulgaris*, *Clepsine complanatum*.—1844: Heptost. (type). [Heptast.]
- hirudo* Dies., 1836d, 238, t. h. *Palamedea cornuta*; Engenho do Cap. Gama, Brazil.—1836: Amphist.
- hirudo* Johnston, 1846a, 437.—Planaria.
- hirundinaceum* Dies., 1850a, 424, for *hirudinaceum* (*Discocotyle*).
- hirudinis* Frœlich, 1791, 75, t. h. *Thurmschwalbe*.—1791: Fasc. 1800: Dist.
- hirundinis* Ben. & Hesse, 1863, 1864, 94, t. h. *Trigla hirundo*.—1863: *Echinella* (type). 1878: *Udonella*.
- hispidi ventriculi accipenseris sturionis* Viborg, 1795, 243; see *hispidum*.—1795: Dist.
- hispidum* Abildg. in Rud., 1819a, 118, 423, t. h. *Accipenser sturio*; Arimini, Berlin. —1819: Dist. (*Echinost.*). 1858: *Echinost.* 1902: *Deropristis* (type).
- histiophori* Bell, 1891a, 534, t. h., *Histiophorus brevis*.—1891: Trist. [1899: T. læve.]
- histrionella* Ehrenberg.—Cerc.
- histrix* Dies., 1850a, 393, for *hystrix* (Dist.) Duj., 1845.—1850: Dist. 1904: *Stephanochasmus*.
- histrix* Mol., 1858, 128, t. h. *Pelophylax esculentus*; Patavii.—1858: Monost.
- hamatobia* Bourel-Roncière, 1878a, 116, for *hæmatobia* (*Bilharzia*).
- holostomoides* Mehlis in Crep., 1846, 148, t. h. *Colymbus cristatus*.—1846: Monost. 1904: *Taphrogonimus*, type.
- holostomum* Rud., 1819a, 94, t. h. *Rallus aquaticus*; Vien. Mus.—1819: Dist. 1892: *Cladocœlium*. [1902: *Urogonimus macrostomus*.]
- homoeostomum* Dies., 1858, 343, based on Bellingham, 1844, 428, t. h. *Trigla* (*Pini*) *cuculus*; Ireland.—1858: Dist.
- hominis* Lewis & McConnell, 1876, 182, t. h. *Homo*; Calcutta, India.—1876: Amphist. 1895: A. (*Gastrodiscus*). 1896: *Gastrodiscus*.
- hominis* Dies., 1855, 63.—1855: Dist. *hæmatobium*.
- hominis* Dies., 1855, 64.—1855: Dist. *heterophyes*.
- hominis* Taylor, 1884, 44, see sub *Distomata*.
- homolostomum* Linst., 1887, 104, t. h. *Limnæa stagnalis*.—1887: Dist.
- horridum* Leidy, 1850, 303, t. h. *Boa constrictor*.—1850: Dist. 1895: D. (*Dicrocœlium*). 1899: *Plagiorchis*.
- horridus* Dies., 1850a, 400, t. h. *Didelphys myosurus*, D. *philander*; Brazil.—1850: *Rhopalophorus*. 1898: *Rhopalias*.
- hospes* Looss, 1907, 478, t. h. cattle; Cairo, Egypt, from Soudan.—1907: *Dicrocœlium*.
- hospitale* Staff., 1900, 403, t. h. *Diemyctylus viridescens*.—1900: Dist. 1902: D. (*Brachycœlium*). 1902: *Brachycœlium*.
- humana* Gmelin, 1790a, 3053, t. h. *Homo*.—1790: Fasc.
- hyalinum* Rud., 1809a, 389, *ericius* renamed, t. h. *Salmo eriox*.—1809: Dist.
- hyalinum* Schlotthauber, 1860, 129, t. h. *Machetes pugnax*.—1860: Monost.
- hyalocauda* Haldeman (1840a).—Cerc.
- hyans* Moul., 1856a, 49, for *hians* (Dist.).
- hyatinum* Kroyer, 1843-45a, 624, for *hyalinum* (Dist.).
- hylæ* Rud., 1819a, 121, t. h. *Hyla arborea*.—1819: Dist. [1850: D. *cygnoides*.]
- hymenocerca* Villot, 1875, 479, t. h. *Calyptræa sinensis*; Roscoff.—1875: Cerc.
- hystrix* Duj., 1845a, 433, t. h. *Pleuronectes maximus*, P. *platessa*.—1845: Dist. (*Echinost.*). 1899: *Anoiktost.* 1899: *Stephanost.* 1904: *Stephanochasmus*.
- hystrix* Duj. of Olss.—1899: *Stephanost.*
- hystrix* Brand., 1892, 506, for *histrix*, t. h. *Rana esculenta*.—1892: Monost.
- hyterophytes* Cobbold, 1883, 401, for *heterophyes* (Dist.).
- idi* Rud., 1819a, 87, t. h. *Cyprinus idus*; Cat. Ent. Vienn.—1819: Monost. (?*Hypost.*). 1819: Monost. [1850: *Aspidogaster limacoides*.]
- ignorata* Raspail, 1902, 119.—1902: *Planaria*.
- ignotum* Nicoll, 1906, 514, t. h. *Hæmatopus ostralegus*.—1906: Monost.
- ijimæ* Goto, 1894a, 230, t. h. *Trygon pastinaca*; Japan.—1894: *Monocotyle*.
- illatabile* Braun, 1901g, 897, t. h. *Falco nitidus*; Brazil.—1901: *Scaphiost.* (type).

- illense* Ziegler, 1883, 543, t. h. *Eoos lucius*, *Leuciscus erythrophthalmus*; Strassburg.—1883: Gasterost.
- illiciens* Braun, 1901g, 944, t. h. *Rhamphastus* sp., *Pipra rupicola*; Brazil.—1901: Dicrocoelium.
- [*ilnotum* Sluiter, 1898 (Dist.), a tunicate.]
- imbricata* Looss, 1893a, 20, t. h. *Paludina vivipara* La.; near Leipzig.—1893: Cerc. [1902: *Notocotyle verrucosa*.]
- imbutiforme* Mol., 1859, 844, t. h. *Labrax lupus*; Batavii.—1859: Dist. 1886: D. (Echinost.). 1898: Echinost. 1899: Anoiktost. 1901: *Acanthochasmus*.
- imilans* Muehl., 1898a, 17, t. h. *Abramis brama*; Koenigsberg i. Pr.—1898: Dist. 1899: *Asymphyllodora*.
- imperispine* Lint., 1905, 327, t. h. *Rachycentron canadus*; Beaufort, N. C.—1905: Dist.
- impleta* Looss, 1899b, 590, t. h. *Tetrodon fabaka*; Cairo, Egypt.—1899: Astia. 1904: *Astiotrema*.
- impudens* Crep., 1846, 149, t. h. *Squalus griseus*.—1846: Monost.
- incerta* Cobbold, 1885g, 177, t. h. *Coluber*; Rio Plata.—1885: Dist.
- incistidata* Perroncito, 1880, July, 454, t. h. *Rana esculenta*.—1880: Cerc.
- [*incistidata* Erc., 1881, 96.—1881: Dist.]
- incisum* Rud., 1809a, 361, *anarrhichæ lupi* renamed.—1809: Dist. 1904: *Fellodist.* (type).
- incirile* Leidy, 1856b, 44, t. h. *Leiostomus obliquus*.—1856: Dist.
- inclusum* Polonio, 1859, see Par., 1894, 149, t. h. *Triton punctatus*; Padova.—1859: Dist.
- incommodum* Leidy, 1856b, 43, t. h. *Alligator mississippiensis*; Florida.—1856: Monost. 1891: Dist.
- incomptum* Stoss., 1886, 51, misprint for *incomtum* 1819 (Dist.).
- incomtum* Rud., 1819a, 683, t. h. *Chætodon* sp.; Brazil.—1819: Dist.
- inconstans* Lint., 1905, 327, t. h. *Chætoditperus faber*; Beaufort, N. C.—1905: Dist.
- incrassatum* Dies., 1850a, 390, t. h. *Lutra solitaria*; Brazil.—1850: Dist. 1860: Echinost. 1892: D. (Echinost.).
- increascens* Olas., 1868, 36, t. h. *Scomber*, *Merlucius*, *Hippoglossus*.—1868: Dist. 1886: D. (Echinost.). [1905: *Lepodora rachisæa*, type.]
- indicum* Montgomery, 1906, 139, t. h. donkey; India.—1906: *Schistosoma*.
- inermis* Nitzsch. MS., in Rud., 1819a, 375, t. h. *Anas boschas fera*.—1819: Dist. [1850: D. *oxycephalum*.]
- inermis* Fil., 1857c, pl. 2, for D. *inermis paludine impuræ*.—1857: Dist.
- inermis* Linst., 1879, 183, t. h. *Petromyzon fluviatilis*.—1879: Dist.
- inermis* Fuhrmann, 1904, 63, t. h. *Lutra*.—1904: Echinost.
- inermis* Par. & Perugia, 1889, 747, t. h. *Corvina nigra*; Genova.—1889: Calceost.
- inermis paludine impuræ* Fil., 1857c, pl. 2.—1857: Dist.
- inflatum* Crep., 1849, 64, t. h. *Alauda arvensis*.—1849: Dist.
- inflatum* Mol., 1859, 826, t. h. *Anguilla vulgaris*; Batavii.—1859: Dist. 1886: D. (Echinost.). 1898: Echinost. 1899: Anoiktost. 1902: *Deropristis*.
- inflata* Rud., 1802b, 82, t. h. *Cyprinus jesus*.—1802: Fasc. 1809: Dist.
- ingens* Moniez, 1886, 531, t. h. unknown.—1886: Dist. 1902: *Hirudinella*.
- inherens* Dalyell, 1853a, 262, t. h. ling.—1853: *Octodactylus* (type). [1864: *Pterocotyle palmata*.] [1879: *Octobothrium palmatum*.]
- innocuum* Baelz of Taylor, 1884, 53, for D. *hepatis innocuum*.—1884: Dist. [1907: *Clonorchis sinensis*.]
- innocuum hepatis* La Clinica de Malaga, 1883, 309, for D. *hepatis innocuum*. 1883: Dist.
- innocuum* Laspeyres, 1904a, 6, for *innocuum* (Dist.).
- inops* Looss, 1902n, 887, t. h. *Pelecanus onocrotalus*, *Milvus ægyptius*; Egypt.—1902: *Heterophyes*.
- inquieta* Mueller, 1786, 121, in aqua marina.—1786: Cerc. 1850: *Histriionella*.
- inquilina* Graff, 1904, 457, t. h. snails.—1904: *Planaria*.
- insigne* Dies., 1850a, 347, D. *scimna* Risso, 1826, renamed, t. h. *Echinorhinus spinosus*.—1850: Dist. [1899: D. *veliporum*.]

- insignis* Looss, 1899b, 596, t. h. *Fulica atra*; Egypt.—1899: *Urogonimus*.  
*insignis* Graff, 1904, 457, t. h. snails.—1904: *Planaria*.  
*insignis* Leidy, 1858, 18, t. h. *Anadonta fluviatilis*, *A. lacustris*.—1858: *Cotylaspis* (type). 1893: *Aspidogaster*.  
*instabile* Duj., 1845a, 412, t. h. *Sorex fodiens*; Rennes.—1845: *Dist.* (*Brachylaimus*).  
*instar* Looss, 1901, 562, t. h. *Thalassochelys corticata*.—1901: *Enodiotrema*.  
*integerrima* Frœlich, 1791a, 104, t. h. unknown.—1791: *Linguatula*. 1808: *Polyst.* (type). 1809: *Polyst.* (*Hexast.*, type). 1828: *Hexathyridium*. 1828: *Hexathyridium*.  
*integerrinum* Ben. & Hesse, 1864, 84, for *integerrimum* (*Polyst.*).  
*integrum* Dies., 1850a, 429, MS.—1850: *Trist.* [1850: *Trist. coccineum*.]  
*intermedium* Mehlis in Creplin, 1846, 138, t. h. *Colymbus cristatus*, *C. subcristatus*.—1846: *Dist.*  
*intermedium* Johnston, 1904, 109, t. h. *Cygnus atratus*.—1904: *Hemist.*  
*intermedius* Uličný, 1878, 211, t. h. *Anodonta cellensis*.—1878: *Bucephalus*.  
*interruptum* Mont., 1891, 101, t. h. *Thynnus brachypterus*; Naples.—1891: *Trist.*  
*interruptus* Braun, 1901g, 897, t. h. *Alcedo viridirufa*, *Ardea virescens*; Brazil.—1901: *Opisthorchis*.  
*intersectus* Lænnec, 1812c, 9, t. h. *Homo*; Europe.—1812: *Distomus* (type).  
*intestinale* Rud., 1819a, 119, see *Dist. aluconis intestinale*.  
*intestinale* Tayler, see Carter, 1862a, xxxi, t. h. *Homo*; District of Dacca, India.—1862: *Dist.*  
*intestinalis* Mueller. —: *Planaria*.  
*intestinalis* Linnæus, 1758a, 649, in *intestinis piscium*.—1758: *Fasc.* [*Ligula*.]  
*intestinalis* Gueldenstadt, teste Rud., 1810a, 24, t. h. *Sorex moschatus*.—*Fasc.* [1810: *Ligula*.] [1850: *Cephalocotyleum*.]  
*intestinalis ardæ nigræ* Viborg, 1795, 242.—1795: *Dist.*  
*intestinalis testudinis mydæ* Viborg, see Rud., 1809a, 433.—*Dist.* [1809: *Dist. testudinis mydæ*.]  
*intestinalis vulpis* Viborg, 1795, 242.—1795: *Dist.*  
*invaginatum* Mayer, 1841, 17, *D. appendiculatum*, renamed.—1841: *Dist.*  
*inversus* Looss, 1907, 486, t. h. *Vesperugo kuhli*; Cairo, Egypt.—1907: *Pycnopus*.  
*involutum* Rud., 1809a, 377, t. h. *Upupa epops*; includes *Fasc. upupæ* Schrank, 1790, and *D. fusiforme* from *Upupa epops*.—1809: *Dist.*  
*irroratum* Rud., 1819a, 105, t. h. *Testudo mydas*; Arimini.—1819: *Dist.* [1899: *Astia*.] 1902: *Pachypsolus* (type).  
*isabellinum* Ratzel, 1868, 153, t. h. *Gadus æglefinus*.—1868: *Monost.* [1878: *Rhipidocotyle gracilescens*.]  
*ischnum* Leidy, 1890, 415, t. h. *Saurus fœtens*, at Beach Haven, N. J.—1890: *Dist.*  
*ishikawæ* Goto, 1894a, 234, t. h. *Lethrinus* sp.; at Hagi, Japan.—1894: *Epibdella*. 1903: *E. (Benedenia)*.  
*ishikawai* St. Remy, 1898, 532, for *ishikawæ* (*Epibdella*).  
*isopori* Looss, 1894a, 55, in *Cyclas rivicola*.—1894: *Cerc.* [*Dist. isoporum*.]  
*isoporum* Looss, 1894, 49, t. h. *Cyprinus carpio*, *Phoxinus lævis*, *Leuciscus rutilus*, *Abramis brama*, *Squalus cephalus*, *Tinca vulgaris*, *Esox lucius*; Germany.—1894: *Dist.* 1899: *Creadium* (type). 1900: *Allocreadium* (type).  
*isoporum armatum* MacCallum, 1895, 401, t. h. *Aplodmotus grunniens*; North America. 1895: *Dist.* [*Creadium*.]  
*isostomum* Rud., 1819a, 105, t. h. *Astacus fluviatilis*.—1819: *Dist.*  
*isostomum* Rud., 1814a, 100, *Amphist. anatis tadornæ* and *S. candida* renamed, t. h. *Anas tadorna*; Copenhagen.—1814: *Amphist.* 1845: *Holost.* [1850: *H. erraticum*.]  
*italicum* Stoss., 1893, (6), t. h. *Lichia amia*; Trieste.—1893: *Dist.*  
*jacksoni*, see *jacksonii* (*Fasc.*).—1892: *Dist.* 1899: *Fasciolopsis*.  
*jacksonii* Cobbold, 1869, 48, t. h. *Elephas indicus*.—1869: *Fasc.* 1892: *Dist.*  
*janus* Kowal., 1898, 73 or 130, t. h. *Anas boschas dom.*—1898: *O. crassiuscula* var. 1898: *Opisthorchis*. 1898: *Campula*.

- japonicum* Katsurada, 1904, 147, t. h. *Felis catus* dom., Homo; Japan.—1904: *Schistosomum*. 1905: *Schistosoma*.
- japonicum* Bl., 1888a, 596, t. h. Homo; *D. hepatis* endemicum renamed, see endemicum.—1888: Dist. [1907: *Clonorchis endemicus*.]
- japonicus* Braun, 1901, 17, in hen's egg; Yedo, Japan.—1901: *Prosthogonimus*. [*jardini* (Bucephalus), reptile.]
- jena* Gmelin, 1790a, 3058, t. h. *Cyprinus jesus*; Europe.—1790: Fasc.
- jheringii* Mont., 1899, 79, for *jheringii* (Temnocephala).
- jheringii* Haswell, 1893e, 96, t. h. *Ampullaria*; Brazil.—1893: Temnocephala.
- campanulatum* Schneidemuehl, 1896, 302, for *campanulatum*.—1896: Dist.
- kanianiana*, see *cantaniana*.
- kölikerii* Cobbold, 1860a, 30, *pelagiæ* Kölliker, renamed.—1860: Dist.
- kölikerii* Mont., 1893, 122, for *kölikerii* (Dist.).
- commutatum* Schneidemuehl, 1896, 303, for *commutatum* Dies., q. v. (Dist.).
- congenitum* Schneidemuehl, 1896, 302, for *conjunctum* (Dist.).
- conica* for *conica*.
- conicum* Schneidemuehl, 1896, 303, for *conicum* (Amphist.).
- kowalewski* Rail., 1899, 788, for *kowalewskii* (*Schistosoma*).—1902: Bilharzia.
- kowalewskii* Par. & Ariola (1896), 114, t. h. *Larus melanocephalus*.—1896: Bilharzia. 1899: *Schistosoma*. 1899: Bilharziella.
- crassum* Schneidemuehl, 1896, 302, for *crassum* (Dist.).
- kroyeri* Leuck., 1847, 147, t. h. *Caligus* sp. on *Gadus* sp.—1847: Amphibothrium (type).
- kroyeri* Wierezejski, 1877, 550, for *kroyeri* (Calicotyle).
- kroyeri* Høek, 1856a, 507, for *kroyeri* (Calicotyle).
- kroyerii* Ben., 1870, 16, for *kroyeri* (Calicotyle).
- krohnii* Kölliker, 1849d, 65, t. h. a cephalopod.—1849: Dyst. [Dist.]
- kroyeri* Dies., 1850a, 431, t. h. *Raja radiata*; Kattegat.—1850: Calicotyle (type). 1858: Callicotyle. 1898: Calycotyle.
- kroyeri* Dies., 1850a, 427, for *kroyeri* (Amphibothrium).
- kühni* Cobbold, 1860a, 39, *M. leporis*, renamed, t. h. *Lepus cuniculus*—1860: Monost. [*Cysticercus pisiformis*.]
- cuneatum* Schneidemuehl, 1896, 303, for *cuneatum* (Dist.).
- labiatum* Rud., 1819a, 108, t. h. *Syngnathus pelagicus*; Naples.—1819: Dist.
- labii* Linst., 1889, 79, misprint for *labri* Stoss. (Dist.).
- labracis* Duj., 1845a, 398, t. h. *Labrax lupus*; Rennes.—1845: Dist. (Dicrocoelium). 1870: Echinost. 1870: D. (Echinost.). 1899: Dicrocoelium. 1901: Allocreadium.
- labracis* Cerf., 1895, 125, t. h. *Labrax lupus*; White Bank, N. Sea.—1895: *Diclidophora*.
- labracis* Ben. & Hesse, 1863, 1864, 112, t. h. *Labrax lupus*.—1863: Microcotyle (? type).
- labri* Rud., 1819a, 122, t. h. *Labrus rupestris*; C. E. V.—1819: Dist. [1850: D. *lasciatum*.]
- labri* Ben., 1870, 45, n. sp., t. h. *Labrus maculatus*.—1870: Dist.
- labri* Stoss., 1886, 30, t. h. *Labrus mixtus*; locality not given.—1886: Dist. 1886: D. (Dicrocoelium). 1901: Allocreadium. 1902: Loborchis.
- labri rupestris* Olss., 1876, 20.—1876: Dist. 1886: D. (Apobolema). 1891: Apobolema.
- lacertæ* Dies., 1850a, 331, t. h. *Lacerta agilis*.—1850: Monost. [Cf. *Piestocystis dithyridium*.]
- lacertæ* Rud., 1819a, 121, t. h. *Lacerta cærulescens*; C. E. V.—1819: Dist. [1850: D. *mentulatum*.]
- lachrymosus* Braun, 1902b, 31, t. h. *Larus maculipennis*; Brazil.—1902: Philophthalmus.
- lacinium* [Blainv., 1824] Duj. 1845a, 437, t. h. *Simia maimon*; Paris.—1845: Dist. [1824: "Alaire" type.] [1850: *Alaria* Blainv., type.]
- lacinium* Mol., 1859, 821, apparently lapsus for *fimbriatum*.—1859: Gasterost.
- lachryma* Bory de St. Vincent, 1823a, 354, in infusions d'orge et d'avoine.—1823: Cerc.
- lactea* Mueller, 1774, 61, free form.—1774: Fasc. 1787: Planaria.



- lactum* Jaegers., 1896, 167, t. h. *Cottus scorpius*.—1896: Monost. 1899: *Galactosomum* (type).
- laeve* Lint. 1898, 517, t. h. *Macrourus bairdii*.—1898: Dist. 1899: *Hemiusurus*.
- laeve* Verrill, 1875, 40, t. h. *Tetrapturus albidus*; North America.—1875: Trist. [1906: *T. ovale*.]
- laeve* var. *armata* Goto, 1899a, 273, for *laeve* Verrill and *histiophori* of Bell.—1899: Trist.
- laeve* var. *inermis* Goto, 1899a, 273, *ovale* renamed.—1899: Trist. [1899: *T. ovale*.]
- laevis* Ben. & Hesse, 1864a, 87, t. h. *Mustelus laevis*.—1864: *Erpocotyle* (type).
- lagna* Rud., 1809a, 366, as *Distomate lagna*, see *lagna* 1788.
- lagna* Braun, 1788, 237, t. h. *Perca fluviatilis*; Europe.—1788: *Planaria*. 1790: Fasc. 1809: Dist. [1809: *Dist. nodulosum*.]
- lagna* Mol., 1858, 127, t. h. *Strix passerina*; Patavii.—1858: Holost.
- lagna* Brand., 1888, 249, *ascidia* Ben., 1873, not Rud., 1819, renamed.—1888: Dist. 1899: *Lecithodendrium* (type).
- lageniforme* Lint., 1898, 524, t. h. *Remora remora*.—1898: Dist.
- lambitans* Braun, 1899g, 490, t. h. a "Reiher;" *Semanabay*, West Indies.—1899: Clinost.
- lampetræ* Gulliver, 1872, 103, t. h. *Planer's lamprey*; Canterbury.—1872: *Neuronaia*.
- lampridis* Lœnnberg, 1891, 73, t. h. *Lampris guttatus*; Kristiania Mus.—1891: *Didymozoon*.
- lancea* Dies., 1850a, 334, t. h. *Delphinus tuscus*; Barra do Rio Negro, Brazil.—1850: Dist. 1892: *D. (Dicrocoelium)*. 1901: *Opisthorchis*.
- lanceatum* Stiles & Hass., 1896, 158, *lanceolatum* Rud., 1803 [not Schrank, 1790] renamed.—1896: *Dicrocoelium* (type). 1899: Dist.
- lanceolata* Schrank, 1790, 123, t. h. *Cyprinus brama*.—1790: Fasc.
- lanceolata* Schulze in Zeringer (1829), see *Crep.*, 1839a, 291.—? (1829): *Cyclocotyla*. (1839): *Cyclocotyle*. [1850: *Discocotyle sagittata*.] [1879: *Octobothrium sagittatum*.]
- lanceolata* Rud., 1803, 24, t. h. *Homo*; Europe.—1803: Fasc. 1825: Dist. 1845: *D. (Dicrocoelium, type)*. 1856: *Dicrocoelium*.
- lanceolatum* F. S. Leuck., 1827a, 24, t. h. *Clupea alosa*; Germany.—1827: *Octobothrium* (type). 1850: *Octocotyle* (type). 1858: *Octoplectanum* (type). [*Mazocraea alosæ*.] [*Octostoma alosæ*.]
- lanceolatum* Wedl, 1858, 251, t. h. *Himantopus rubropterus*.—1858: Monost. 1902: *Hæmatotrephus* (type).
- lanceolatus alosæ* Mayer, 1841, 23, *Octobothrium lanceolatum*, renamed.—1841: *Decacotylus*.
- lanceolum* Gronkowski, 1902a, 519, for *lanceolatum* (Dist.).
- lanceulatum* Baldi, 1900a, 224, for *lanceolatum* (Dist.).
- lapridis* Sars, teste Nordmann, 1840, 600, in *Lampris gullatus*.—1840: *Hexacotyle*.
- lari glauci* Rud., 1819a, 92, t. h. *Larus glaucus*; Cat. Ent. Vien.—1819: *Amphist*. [1850: *Hemist. spathaceum*.]
- lasium* Leidy, 1891a, 415, t. h. *Ilyanassa obsoleta*; Beach Haven, N. J.—1891: Dist.
- lata* Lescpès, 1857, 114, t. h. *Venus decussata*; Arcachon.—1857: Cerc. 1858: *C. (Gymnocephala)*.
- lateralis* Looss, 1902h, 138, t. h. *Mugil auratus*, *M. chelo*.—1902: *Haploporus*.
- laticolle* Rud., 1819a, 117, t. h. *Caranx trachurus*; Naples and Arimini.—1819: Dist. (*Echinost.*) 1899: *Tergestia*. 1899: *Echinost.*
- laticolle* Mueh., 1896, 590 [not Rud., 1819], t. h. *Anas glacialis*; apparently *Koenigsberg* i. Pr. See *platyurum*.—1896: Dist.
- latiuscula* Gørze, 1782a, 169, includes Fasc. *hepatica* Linn.—1782: *Planaria*.
- laureatum* Zed., 1800a, 164, t. h. *Salmo trutta*; Europe.—1800: Dist. 1802: Fasc. 1828: *Lobostome, type*. 1845: Dist. (*Crossodera*). 1860: *Crossodera*. 1900: *Crepidost.* —: *Bunodera*.
- [*laysani* Sluiter, 1900, 9 (Dist.) a tunicate.]
- [*leachii* Stevens, 1827 (*Distomus*), beetle.]
- lecithonotus* Luche, 1900, 555 [see *philodryadum*], t. h. *Coluber* sp., *C. eririo*, *Philodryas schotti*; Brazil.—1900: *Opisthogonimus* (type).

- leidy* Cobbold, 1860a, 10, Clinost. dubium Leidy, renamed.—1860: Dist.
- lenna* Mueller, 1773, 67, in aquis paludosis.—1773: Cerc. (?type). 1850: Hiastriionella.
- lenoiri* Poir., (1885) 1886, 3, t. h. Tetrathyra vaillantii; Senegal.—1885: Cephalogonimus (type).
- lenoiri* Poir., 1886, 20 t. h. Tetrathyra vaillantii; Senegal.—1886: Aspidogaster. 1892: Platyaspis (type). 1902: Cotylaspis.
- lenoirii* Mont., 1888a, 16, for lenoiri (Aspidogaster).
- lenticola* Linst., 1878, 226, t. h. Abramis vimba.—1878: Diplost. 1892: Tetracotyle.
- lentis* Gescheidt, 1833, 421, t. h. Homo.—1833: Monost. 1860: Festuc. 1892: Monostomulum. 1894: Dist.
- lepidotus* Looss, 1907, 481, t. h. Vesperugo kuhli; Cairo, Egypt.—1907: Parabascus (type).
- leporis* Kuhn, 1829, 464, t. h. Lepus cuniculus.—1829: Monost. [Cysticercus pisi-formis.]
- leptogaster* F. S. Leuck., 1830a, 612, t. h. Chimæra monstrosa; Europe.—1830: Octobothrium. 1845: Octobothrium (Cyclocotyle). 1850: Discocotyle. 1858: Placoplectanum (Discocotyle). 1890: Octocotyle (Octobothrium).
- leptosoma* Villot, 1878, 32, cercarian stage of Dist. leptosomum, in Scrobicularia tenuis.—1878: Cerc.
- leptosomum* Crep., 1829, 57, t. h. Tringa variabilis.—1829: Dist. 1845: D. (Echinost.). 1860: Echinost.
- leptosomum* Oles., 1876, 18, t. h. Meles taxus.—1876: Dist. 1892: D. (Brachylaimus) 1899: Harmost. (type). 1899: Heterolope (type).
- leucochloridii* Leuck., 1858a, 114, see Leucochloridium paradoxum.—1858: Cerc. 1858: Dist.
- levinseni* Odhn., 1905, 348, t. h. Gadus saida; East Greenland.—1905: Hemiurus.
- levinseni* Setti, 1898, 311, for levinseni (Trist.).
- levinseni* Mont., 1891, 101 t. h. Thynnus sp.—1891: Trist.
- lichæ* Ariola, 1899, 1, t. h. Lichia amia; Genova.—1899: Microcotyle.
- lidæ* Par., 1902, 6, for lydiæ (Echinost.).
- ligula* Ben., 1870, 1871a, 17, t. h. Scymnodon ringens; Portugal.—1870: Dist.
- liguloideum* Dies., 1850a, 320, t. h. Vastres cuvieri; Borbæ, Brazil.—1850: Monost. 1892: Amphilina.
- liputanum* Looss, 1896, 141, t. h. Pernis apivorus, at Alexandria, Egypt; Milvus parasiticus, at Matarijeh.—1896: Echinost.
- lima* Rud., 1809a, 408, t. h. Vespertilio auritus. V. murinus; Europe.—1809: Dist. (Echinost.). 1892: D. (Brachylaimus). 1899: Plagiorchis (type). [1899: Lepoderma.]
- limacis* Dies., 1850a, 302, based on Duj., 1845a, 472, in Limax agrestis, L. cinerea, L. rufa; Rhedoni.—1850: Dist. 1850: Heterost. 1855: Cercariæum. 1856: Cerc. [1858: C. (Acanthocephala) trigonocerca.]
- limacoides* Dies., 1834a, 1231; 1835c, 421, t. h. Cyprinus dobula, C. idus; Cat. Vien.—1834, 1835: Aspidogaster. 1835: Monost.
- limatum* Braun, 1900f, 389, t. h. Molossus sp.; from Brazil.—1900: Dist. [1907: ? Parabascus.]
- limnææ ovalæ* Linst., 1885, 251.—1885: Dist.
- limnææ ovalæ* Linst., 1884, 142.—1884: Cerc. [1889: Dist. endolobum Duj.]
- limnææ truncatulæ* Linst., 1892, 331, t. h. Limnæa truncatula.—1892: Cerc.
- limnæi* Dies., 1850a, 302, based on Duj., 1845a, 473, t. h. Limnæus palustris; Rhedoni.—1850: Dist. 1850: Heterost.
- limnæi* Pag., 1857, 32, t. h. Lymnæus stagnalis.—1857: Tetracotyle. [1858: T. typica.]
- limnophilii* Linst., 1879, 185, t. h. Limnophilus rhombicus; apparently Germany.—1879: Dist. [1889: D. endolobum.]
- linuli* Graff (1879), 202.—1879: Plan.
- lineare* Rud., 1819a, 83, t. h. Tringa vanellus; Mus. Vien.—1819: Monost. (Monost.). [1850: Notocotyle triseriale.] [1896: N. verrucosum.]
- linearis* Looss, 1901, 618, t. h. Chelone mydas; Egypt.—1901: Pleurogonius.
- linearis* Rud., 1793a, 29, t. h. Phasianus gallus; Greifswald, October.—1793: Fasc. 1803: Dist. 1860: Crossodera. 1896: Bunodera.

- linearis* Mueller, 1774, 67, in foveis palustribus sylvarum.—1774: Fasc. 1787: Plan.
- linearis* Leapés, 1857, 117, t. h. *Littorina littorea*.—1857: Cerc. 1858: C. (*Acanthocephala*).  
[*linearis* (Nitzschia) a diatome.]
- linearis longa* Linn. teste Pallas, 1781a, 95, in *Cyprinus*.—1781: Fasc.
- lineata* Mueller, 1774, 60, in *littore maris Balthici*.—1774: Fasc. 1776: Plan.
- lineatus* Scott, 1901, 143, t. h. *Trigla lineata*; Clyde.—1901: *Trochopus*.
- lineola* Dies., 1850a, 346, t. h. *Falco rufus*; C. E. V.—1850: Dist.
- lingua* Bosc, 1802a, 262.—1802: Plan.
- lingua* Crep., 1825, 47, t. h. *Larus marinus*.—1825: Dist. 1892: D. (*Dicrocoelium*).  
1899: *Tocotrema* (type). 1899: *Cryptocotyle*. 1899: *Cotylogonimus* (*Cryptocotyle*). 1903: *Cryptocotyle*.
- linguaforme* Dies., 1850a, 335, *Brachylæmus erinacei* Bl., 1847, renamed; t. h. *Eri-naceus europeus*; Paris.—1850: Dist. 1898: *Mesogonimus*.
- linguale* Odhn., 1902, 66, t. h. *Gymnarchus niloticus*; Sudan.—1902: *Phyllodist*.
- linguatula* Rud., 1819a, 100, t. h. *Rana*; Brazil.—1819: Dist. ? : D. (*Brachylaimus*).
- linguatula* Looss, 1899b, 668, t. h. *Chelonia mydas*; Egypt.—1899: *Microscapha*.  
1902: *Microscaphidium*. 1902: *Polyangium* (type).
- linstowi* Mont., 1893, 102, for *linstowii* (Dist.).
- linstowii* Stoss., 1890, 42, *Monost. aculeatum* Linst., from *Testudo græca*, renamed.—  
1890: Dist. 1895: D. (*Dicrocoelium*). 1899: *Telorchis Luehe*. 1899: *Telorchis*  
(type) Looss. 1900: T. (*Cercorchis*, type).
- lintoni* Pratt, in Lint., 1901b, 435, *D. auriculatum* Wedl of Lint., in *Acipenser rubicundus*, renamed.—1901: *Bunodera*.
- liorchis* Fischder., 1901, 368, t. h. *Cervus simplicicornis*, *C. campestris*, *C. mexicanus*,  
*C. rufus*, *C. dichotomus*, *C. namby*; Brazil.—1901: *Paramphist*.
- littoralis* Herbst, 1787a, 35.—1787: Plan.
- lobatum* Rail., 1900, 241, t. h. *Accipiter nisus*.—1900: *Dicrocoelium*. 1902: *Lyperosomum*.
- lobatus* Looss, 19011, 619, t. h. *Chelone mydas*; Egypt.—1901: *Glypicephalus*.
- lobianchi* Mont., 1888a, 7, t. h. *Raia clavata*.—1888: *Acanthocotyle* (type).
- lobianchii* Mont., 1891a, 104, for *lobianchi* (*Acanthocotyle*).
- lobianchoi* Goto, 1899, 285, for *lobianchi* (*Acanthocotyle*).
- lobiancoi* Mont., 1899, 75, for *lobianchi* (*Acanthocotyle*).
- lobotes* MacCallum, 1895, 406, t. h. *Anguilla chrysopa*, *Perca flavescens*, *Stegostedion vitreum*; North America.—1895: Dist. 1904: *Centrovarium* (type).
- loliginis delle Chiaje*, 1823, pl. 92, t. h. *Loligo vulgaris*; Naples.—1823: *Polyst*.  
[1850: *Solenocotyle chiajei* (type).]
- loliginis* Gmelin, 1790a, 3059, includes *F. barbata*.—1790: Fasc. 1803: Dist. [1850:  
*Tetraphorhynchus migratorius*.]
- loliginis delle Chiaje*, 1841a, 140.—1841: *Amphyst*. [Amphist.] 1894: *Monost*.
- longe* Braun, 1892a, 581, for *longum* (*Diplost*.).
- longicauda* Rud., 1809a, 372, t. h. *Corvus cornix*.—1809: Dist. [1819: *D. macrourum*.]  
1899: *Dicrocoelium*. [1899: *Lyperosomum*.] 1902: *Lyperosomum* (type).
- longicauda* Goto, 1899a, 282, t. h. *Cynoscion regale*; Newport, R. I.—1899: *Microco-*  
*tyle*.
- longicaudata* Piana, 1882, see Par., 1894, 161, t. h. *Helix carthusiana*.—1882: Cerc.  
[See also *longicaudata*.]
- longicolle* Crep., 1846, 154, t. h. *Cottus gobio*.—1846: Dist.
- longicolle* Crep., 1825, 57, t. h. *Perca vulgaris*, *P. cernua*; includes *D. embryo* Olfers.—  
1825: Dist. [1850: *D. embryo*.]
- longicolle* Rud., 1819a, 87, t. h. *Ardea alba*, *A. stellaris*, *Larus ridibundus*, *L. atricilla*;  
Mus. Vien.—1819: *Amphist*. 1845: *Holost*. 1905: *Strigea*.
- longicollis* Rud., 1809a, 380, based on Bloch, 1782a, 6, t. h. *Esox lucius*.—1782: Fasc.  
[1809: Dist. *tereticolle*.]
- longicollis* Abildg., [1788], 34, t. h. *Coluber natrix*.—[1788]: Fasc. 1860: Dist.

- longicollis* Frelich, 1791, 73, t. h. *Cyprinus carpio*.—1791: Fasc. [1809: Dist. globiporum.] 1881: Dist.
- longicollis* Dies., 1850a, 417, Octost. merlangi Kuhn, renamed, t. h. *Merlangus vulgaris*.—1850: Diclidophora. 1859: Octoplectanum. [1879: Octobothrium merlangi.]
- longipenis* Looss, 1899, 608, t. h. ape; Ghizeh Zool. Garden.—1899: Phaneropsolus.
- longipes* Dies., 1850a, 428, tubiporum 1835 renamed, t. h. *Trigla hirundo*.—1850: Trochopus (type). [1864: T. tubiporus.]
- longiplexus* Staff., 1902, 901, in lungs of American frogs and toads.—1902: *Hæmatolæchus*. 1905: *Pneumonæces*.
- longipina* Klein, 1905, 65, t. h. *Rana hexadactyla*; India.—1905: *Halipegus*.
- longissimum* Linst., 1883, 308, t. h. *Ardea stellaris*; Turkestan.—1883: Dist. 1892: D. (*Dicrocoelium*). 1896: *Opisthorchis*.
- longissimum* Poir., 1886, 29, t. h. *Delphinus tursio*.—1886: Dist. 1892: D. (*Dicrocoelium*). [1896: D. tursionis.]
- longissimum corvinum* Stiles & Hass., 1894, 418, t. h. *Corvus americanus*, *C. ossifragus*; U. S. A.—1894: Dist. (*Dicrocoelium*). 1899: *Opisthorchis*.
- longissimum corvinum* Stiles & Hass., 1896, 155, misprint for *corvinum* (Dist. *longissimum*).
- longiusculus* Looss, 1902m, 582, misprint for *longiusculus* (*Pleurogonius*).
- longiusculus* Looss, 1901l, 568, t. h. *Chelone mydas*; Egypt.—1901: *Pleurogonius* (type).
- longicaudata* Piana, 1882, teste Par., 1894, 622 (misprint?) in *Helix carthusianella*; Reggio Em.—1882 or 1894: Cerc.
- longum* Brand., 1888a, 25, t. h. *Crocodilus*; Brazil.—1888: Diplost.
- longum* Leidy, 1851, 206, t. h. *Esox estor*; at Cleveland, Ohio.—1851: Dist. 1904: Megadist. (type).
- loosi* Ssinitzin, 1905, 33, *G. cygnoides* of Looss renamed.—1906: *Gordodera*.
- loosii* Marshall & Gilbert, 1905, 483, t. h. *Micropterus salmoides*, *Lucius lucius*, *Amia calva*.—1905: *Azygia*.
- lophocerca* Fil., 1857c, 5, t. h. *Paludina impura*; Torino.—1857: Cerc. 1858: *Glenocerc.*
- lorenzii* Mont., 1899, 1045, t. h. *Trigla* sp.; Rovigno.—1899: *Plectanocotyle*.
- lorum* Duj., 1845a, 407, t. h. *Talpa europæa*; Rennes.—1845: Dist. (*Brachylaimus*). 1893: *Mesogonimus*. 1899: *Dolichosomum* (type). [1899: *Itygonimus* (type).] 1900: *Dolichodemus* (type).
- loxiz* Rud., 1819a, 120, t. h. *Loxia chloris*, *L. coccothraustes*, *L. pyrrhula*; C. E. V.—1819: Dist. [*D. mesostomum*.]
- lubens* Braun, 1901, 945, t. h. *Pipra rupricola*.—1901: *Dicrocoelium*.
- lucaneum* Brand., 1892b, 511, for *Monost.* (*Glenocerc.*) *lucanica* in *Planorbis parvus*.—1892: *Monostomulum*.
- lucania* Leidy, 1904a, 143, for *lucanica* (*Monost.*).
- lucanica* Leidy, 1877, 200, t. h. *Planorbis parvus*; U. S. A.—1877: *Monost.* (*Glenocerc.*). [1892: *Monostomulum*, see *lucaneum*.]
- lucii* Mueller, 1776, 224, t. h. *Lucius*, esoph., stomach.—1776: Fasc. 1782: Plan. 1800: Dist. [*D. tereticolle*.]
- lucii* Rud., 1819a, 122, for *D. esocis lucii* Rud., 1809a, 438, t. h. *Esox lucius*; Greifswald.—1819: Dist.
- lucioperca* Mueller, 1776, 223, t. h. *Perca lucioperca*.—1776: Fasc. 1803: Dist. [*D. nodulosum*.]
- lucipetrum* Rud., 1819a, 94, t. h. *Larus fuscus*, *L. glaucus*; Mus. Vien.—1819: Dist. 1828: Fasc. 1845: D. (*Dicrocoelium*). 1899: *Philophthalmus*.
- lühkei* Odhn., 1905, 351, t. h. *Clupea harengus*, *C. sprattus*.—1905: *Hemiurus*.
- luna* Mueller, 1786, 139, in aqua rarissime.—1786: Cerc. 1815: *Furcocerca*. 1827: *Lecane*.
- lunatum* Dies., 1836d, 238, t. h. *Cervus dichotomus* [?], *Anas melanotos*, *A. ipecutiri*, *Himantopus wilsonii*; Caçara, Brazil.—1836: Amphist.
- lunatus* Looss, 1901l, 558, t. h. *Thalassochelys corticata*; Triest.—1901: *Pachypsolus* (type). [See *irroratus*.]

- lungocaudata* Piana teste R. Bl., 1888a, 603 (see also *longicaudata*), t. h. *Helix carthusiana*.—1888: Cerc.
- lupi* Ben. & Hesse; 1863, 92, t. h. *Labrax lupus*.—1863: Udonella.
- lupus* Mueller, 1773, 67, in aquosis, ubi *Lemna* vegetat, rara.—1773: Cerc. 1815: *Furcocerca*. 1827: *Dicranophorus*. [1828: *Cyclogena* (type).]
- lusca* Ben., 1868a, 7, for *luscæ* (*Dactylocotyle*), in *Morrhua lusca*.
- luscæ* Ben. & Hesse, 1863; 1864, 111, t. h. *Morrhua lusca*.—1863, 1864: *Dactylocotyle*. 1879: *Dactylocotyle*. 1879: *Octobothrium*. 1890: O. (*Dactylocotyle*).
- lutea* Ben. of Giard, 1897c, 954, t. h. *Tapes decussatus* and *T. pullastra* at Arcachon and *Donax trunculus* at Wimereux.—1897: Cerc. [1897: *Brachycœlium luteum*.]
- lutea* Ben., 1870, 3, t. h. *Scyllium canicula*.—1870: Dist. 1897: *Brachycœlium*. 1897: Cerc. 1904: *Diptherost*. [D. *betencourtii*.]
- luteum* Baer, 1826a, 125; 1827, 610, t. h. *Paludina vivipara*; *Regiomonti*.—1826: Dist. [1850: *Heterost. ovatum*.]
- luzii* Dies., 1850a, 358, for *lucii* (Mueller) Zed., (Dist.).
- lydiæ* Stoss., 1896, 190, t. h. *Orthagoriscus mola*: *Triest.*—1896: *Echinost.* 1899: Dist. 1899: *Anoiktost.* 1899: *Stephanost.* 1901: *Dihemistephanus* (type).
- lymnæi auricularis* Fil., 1854, 25, t. h. *Lymnæus auricularis*.—1854: Dist. 1855: *Cercariæum*. 1856: Cerc.
- lymnæi obscuri* Erc., 1881c, 33, t. h. *Limnæus obscurus*, L. *stagnalis*; Bologna.—1881: Cerc.
- lymnæi palustris* Dies., 1855a, 399, for *limnæi* 1850a, 302.—1855: *Cercariæum*.
- lymnæi peregrini* Dies., 1858d, 279, t. h. *Lymnæus peregrinus*; Turin.—1858: *Cercariæum*.
- lymphaticum* Linst., 1903, 353, t. h. *Mustelus vulgaris*.—1903: Dist. [1906: D. *megastomum*.]
- lyratum* Schlotthauber, 1860, 129, t. h. *Ardea cinerea*.—1860: Holost.
- macaci* Cobbold, 1861, 119, t. h. *Macacus radiatus*.—1861: Cerc.
- macconnelli* Cobbold, 1876, 97, D. *sinense* renamed.—1876: Dist. [1907: *Clonorchis sinensis*.]
- macdonaldi* Mont., 1891, 120, t. h. *Melo* sp.; Shark Bay, West Australia.—1891: *Aspidogaster*.
- macdonaldii* Mont., 1891, 121, for *macdonaldi* (*Aspidogaster*).
- macrocerca* Looss, 1894a, 253, for *macrocerca* (Cerc.).
- macrobothrium* Ben., 1870, 70, t. h. *Osmerus eperlanus*.—1870: Dist.
- macrocephalum* Rud., 1803a, 21, t. h. *Strix bubo*; includes *Strigea* and *Fasc. strigis*.—[1782: *Planaria*.] [1788: *Festuc.*] [1790: *Fasc.*] [1790: *Strigea*, type.] 1803: *Amphist.* (type). [1819: *Holost. variabile*, type.] 1828: *Holost.* (type). [1850: *Hemist.*]
- macrocephalum* [pars: *falconis milvi*] Rud., 1819a, 88.—1819: *Amphist.* [1840: A. *striatum*.] [1850: *Hemist. spathula*.]
- macrocerca* Fil., 1854a, 13, t. h. *Cyclas cornea*; Turin.—1854: Cerc. 1855: C. (*Xiphidiocerc.*) 1858: C. (*Acanthocephala*). [1858: Dist. *cygnoides*.] [1902: *Gorgodera cygnoides*.]
- macrocotyle* Dies., 1858, 342, t. h. *Orthagoriscus mola*, in Ireland; based on *Bellingham*, 1844, 429.—1858: Dist. [1860: D. *macrocephalum*.] 1886: D. (*Ladocœlium*). 1893: D. (*Accacœlium*). [1893: D. *megnini*.] 1898: *Podocotyle*. 1898: D. (*Podocotyle*). 1901: *Accacœlium*.
- macrolaimus* Linst., 1894b, 334, t. h. *Vesperugo pipistrellus*.—1893: Dist. 1899: *Lecithodendrium*.
- macrophallos* Linst., 1875a, 190, t. h. *Totanus hypoleucos*.—1875: Dist. 1892: D. (*Brachycœlium*). 1900: D. (*Levinsenia*). 1899: *Levinsenia*.
- macrophallus* Linst., 1887, 104, for *macrophallos* (Dist.).
- macropoculum* Cobbold, 1860a, 25, *macrocotyle* 1858 renamed, t. h. *Orthagoriscus mola*.—1860: Dist.
- macroporum* Mont., 1893, 133, t. h. *Lophius piscatorius*.—1893: Dist.
- macropterum* Wien. MS. in Brandes, 1888a, 55, syn. of *grande* Dies.—1888: *Hemist.* [1888: *Diplost. grande*.]
- macrorchis* Brand., 1892, 508, t. h. marine turtles.—1892: *Monost.*

- macrostoma* Rud., 1803a, 26, t. h. *Nachtigall* [*Motacilla lusciniæ*]; Greifswald, June.—1803: Fasc. 1809: Dist. 1893: *Urogonimus* (type). 1896: D. (*Urogonimus*). [1835: *Leucochloridium paradoxum*, type.] 1907: *Leucochloridium*, type.
- macrostomum* Schlotthauber, 1860, 130, t. h. *Petromyzon fluviatilis*.—1860: Dist.
- macrostomum* Rud., 1809a, 337, t. h. *Larus cinerarius*; Greifswald.—1809: Monost. (Monost.).
- macrostomum* Jagers., 1900a, 33, t. h. *Telmatias major*; ?Upsala.—1900: Diplost.
- macrourum* Rud., 1819a, 98, t. h. *Corvus cornix*; D. *longicauda* Rudolphi, 1809a, 372 renamed.—1819: Dist. 1853: Dist. (*Dicrocoelium*). 1899: *Dicrocoelium*. [1902: *Lyperosomum longicauda* and *Dicrocoelium albicollis*.]
- macrum* Schlotthauber, 1860, 129, t. h. *Corvus glandarius*.—1860: Monost.
- macrum* Braun, 1892a, 746, for *macrourum* (Dist.).
- maculata* Leidy, 1847e, 252, free; Phila.—1847: Plan.
- maculatum* Looss, 1901d, 402, t. h. *Labrus merula*, *Crenilabrus pavo*, C. *griseus*; Triest.—1901: Dist.
- maculatum* Rud., 1819a, 123, t. h. *Diodon*; California.—[1811: *Capsala martinieri*, type.] 1819: Trist. 1840: *Capsala*. 1850: Trist.
- maculosa* Rud., 1802, 67, F. *hirundinis* renamed, t. h. *Hirundo apus*.—1802: Fasc. 1809: Dist. 1845: D. (*Brachylaimus*). 1892: D (*Dicrocoelium*). 1901: *Plagiorchis*.
- malagascariensis* Vayssi   (1892), 64.—1892: *Temnocephala*. 1899: *Dactylocephala* (type).
- magna* Cobbold, 1859d, 364, t. h. *Cercopithecus fuliginosus*.—1859: *Bilharzia*. 1892: *Gynecophorus*. [1895: *Bilharzia hæmatobia*.] 1899: *Schistosoma*.
- magna* Pag., 1857, 22, t. h. *Paludina vivipara*.—1857: Cerc. 1858: C. (*Gymnocephala*).
- magnivatum* Stoss., 1898, 53, t. h. *Puffinus kuhlii*; Triest.—1898: *Echinost.*
- magnum* Bassi, 1875, 497, t. h. [Hirsch]; *Mandria*.—1875: Dist. 1889, 1894: Fasc.
- maimonis* Blainv., 1828, 586, t. h. *Simia maimon*.—1828: Fasc.
- major* Tasch., 1879, 263, for *major* (*Dactylogyrus*).
- major* Goto, 1894a, 203, t. h. *Scomber colias*; Japan.—1894: *Octocotyle*.
- major* Nitzsch, 1817, 44.—1817: Cerc. [1850: *Histriionella lemna*.]
- major* Wagener, 1857, 99, "pl. 15, fig. 9," t. h. *Gobius fluviatilis*.—1857: *Dactylogyrus*.
- majus* St.-Remy, 1898, 547, for *major* (*Octocotyle*).
- malleus* Linst., 1877, 182, t. h. *Barbus fluviatilis*.—1877: *Dactylogyrus*.
- manepatus* Fischder., 1901, 371, t. h. African cattle.—1901: *Gastrothylax*.
- mansonii* Sambon, 1907, 365, t. h. *Homo*; Africa.—1907: *Schistosomum*.
- marenula* Rud., 1809a, 339, t. h. *Salmo marenula*; Europe.—1809: Monost. (Hypost.) 1892: *Monostomulum*.
- marulentum* Braun, 1901g, 948, t. h. *Emberiza citronella*; Vien. Mus.—1901: Dist.
- margaritarum* Dubois, 1901, 603, t. h. *Mytilus edulis*.—1901: Dist.
- margaritifera* Shipley & Hornell, 1904, 78, t. h. *Margaritifera vulgaris*; Ceylon.—1904: *Muttua* (type).
- margaritifera* Shipley & Hornell, 1904, 78, t. h. *Margaritifera vulgaris*; Cheval Paar, Ceylon.—1904: *Aspidogaster*.
- marginatum* Rud., 1819a, 680, t. h. *Ardea* sp.; Brazil.—1819: Dist. 1892: *Mesogonimus*. 1899: *Clinost.*
- marginatum* Mol., 1858, 128, t. h. *Anas crecca*; Batavii.—1858: Dist. 1892: D. (*Brachylaimus*).
- marila* Rud., 1819a, 87, t. h. *Anas marila*; Cat. Ent. Vien. 1819: Monost. [1850: *Notocotyle triseriale*.]
- marilla* Dies., 1850a, 411, for *marilæ* (Monost.).
- marina* Garsin, 1730a, 387, t. h. *Scomber pelamys*.—1730: *Hirudinella*.
- marionis* St. Loup, 1885, 176, t. h. *Mæna vulgaris*.—1885: *Choricotyle*.
- marmorosa* Mueller, 1774, 71, in fossis aquaticis rara.—1774: Fasc. 1787: Plan.
- marsupium* Braun, 1901g, 941, t. h. *Perdix rufina*; Brazil.—1901: Harmost.
- martinieri* Boec. 1811, 384, t. h. *Diodon* sp.—1811: *Capsala* (type).
- martiranoi* Stiles, 1903aa, 15, t. h. *Anopheles claviger*.—1903: *Agamodist.*

- medians* Olss., 1876, 25, t. h. *Bufo vulgaris*.—1876: Dist. 1899: *Pleurogenes*.
- medians* Olss. of Staff., 1900, Aug., 412.—1900: Dist. [1905: *Loxogenes arcanum*.]
- medioplexus* Staff., 1902, 901, t. h. American frogs and toads.—1902: *Hæmatolæchus*. 1905: *Pneumonœces*. [See *Ostiolum formosum*, type.]
- mediorimus* Braun, 1901g, 895, t. h. *Galbula grandis*; Brazil.—1901: *Eumegacetes*.
- medius* Kath., 1894a, 129, t. h. *Cobitis fossilis*, *Cyprinus carpio*.—1894: *Gyroductylus*.
- megachondrus* Looss, 1899b, 593, t. h. *Testudo* (græca?).—1899: *Enodia* (type). 1901: *Enodiotrema* (type).
- megacotyla* Dies., 1858d, 263, for Dist. *echinatoides* Pag., 1857, 32 [not Fil.], t. h. *Anodonta cygnea*; Heidelberg.—1858: *Cerc.* (*Nephrocephala*).
- megacotyle* Dies., 1850a, 379, D. *velellæ* Fil. renamed, t. h. *Velella spirans*; Naples.—1850: Dist.
- megacotyle* Dies., 1836d, 238, t. h. *Silurus palmito*; Matogrosso, Brazil.—1836: *Amphist.*
- megacotyle* Linst., 1906, 176, t. h. *Histiophorus* sp.; Beruwala.—1906: *Trist.*
- megacotylea* Villot, 1878, 30, t. h. *Mysis*.—1878: *Cerc.*
- megalcephalum* Brand., 1888a, 67, t. h. *Stomias* sp.; Brazil.—1888: *Holost.*
- megalocotyle* Mont., 1893, 52.—1893: Dist.
- megaloon* Linst., 1879, 337, t. h. *Lacerta agilis*.—1879: Dist.
- megastomum* Wagener, 1857, 57, t. h. *Cyprinus blicca*, *C. amarus*.—1857: *Dactylogyrus*.
- megastomum* Rud., 1819a, 102, t. h. *Squalus galeus*; Arimini.—1819: Dist. 1886: D. (*Brachylaimus*). 1900: *Ptychogonimus* (type).
- megastomum* Grobben, 1878a, 89, t. h. *Portunus depurator*.—1878: Dist.
- megastomum leporis* Kuhn (1829c).—1829: Dist.
- megastomus* Looss, 1902m, 533, t. h. *Chelone mydas*; Egyptian coast—1902: *Criccephalus*.
- megatocyle* Linst., 1903, 354, misprint for *megalocotyle* Mont. (Dist.).
- megnini* J. Poir., 1885, 4, t. h. a fish.—1885: Dist. 1893: D. (*Accacælium*). [1893: D. *macrocotyle*.]
- megnini* Mont., 1893, 102, for *megnini* 1885 (Dist.).
- melanocystis* Staff., 1904, 483, t. h. *Lophius piscatorius*; Canada.—1904: *Xenodist.* (type).
- melanoglena* Dies., 1855a, 393, *Melanoglena bipunctata* renamed.—1855: *Histrionella*. 1858: *Glenocerc.*
- melanoglena* Pag., 1862, 298.—1862: *Cerc.*
- melanops* Dies., 1855a, 400, based on *Cerc. paludina* impure Baer, 1827b, 655.—1855: *Cercariæum*. 1858: *Histrionellina*.
- melis* Schrank, 1788, 17, t. h. *Dachs*, *Meles*; Europe; *Planaria teres* Goeze, pro parte, renamed.—1788: *Fasc.* 1800: Dist. 1809: *Plan.* [1850: D. *trigonocephalum*.]
- melolonthæ* Hammerschmidt, in Leuck., 1835, 88, nomen nudum, t. h. an insect; Europe.—1835: *Klepsitromis* (type).
- mentolatum* Mueh., 1898, 19, for *mentulatum*.—1898: (Dist.).
- mentulatum* Rud., 1819a, 103, t. h. *Coluber natrix* *Lacerta agilis*, *L. maculata*; Europe—1819: Dist. 1845: D. (*Brachylaimus*). 1899: *Lepoderma*. 1899: *Plagiorchis*.
- mergi* Rud., 1819a, 121, t. h. *Mergus albellus*; C. E. V.—1819: Dist. [1850: D. *baculus*.]
- merlangi* Kuhn, 1829b, t. h. *Gadus merlangus* and *Cymothoa oestroides* on Boops.—1829: *Octost.* 1832: *Octobothrium*. 1832? *Polyst.* 1838-40: *Dididophora*. 1845: *Octobothrium* (*Cyclocotyle*). 1850: [*Dididophora longicollis*]. 1888: *Octocotyle*. 1895: *Dactylocotyle*.
- merlangi carbonarii* Dies., 1858e, 341, renamed *anonymum* 1858e, 341; based on Bellingham, 1844, 428.—1858: Dist.
- merlangi vulgaris* Dies., 1858e, 341, renamed *anonymum* 1858e, 341; based on Bellingham, 1844, 428.—1858: Dist.
- merlangorum* Dies., 1855, 64, based on Bellingham, 1844.—1855: Dist.
- merluccii* Ben. & Hesse, 1863, 1864, 105, t. h. *Merlucius vulgaris*.—1863 or 1864: *Anthocotyle* (type).
- merlucii* Ben. & Hesse, 1863, 1864, 93, t. h. *Merlucius vulgaris*.—1863: *Udonella*.
- merlucii* Tasch., 1879k, 247, for *merluccii* (*Anthocotyle*).

- meropis* Rud., 1819a, 120, t. h. *Merops apiaster*; C. E. V.—1819: Dist. [1850: *D. triangulare*.] 1896: *D. (Brachylaimus)*.
- mesocallium* Cohn, 1903, 35, t. h. *Draco volans*; Java.—1903: *Hoploderma* (type). [1907: *Pintneria*, type.]
- mesostoma* Rud., 1803a, 28, t. h. *Krametsvogel [Turdus iliacus]*; Greifswald, November.—1803: Fasc. 1809: Dist. 1892: *D. (Brachylaimus)*. 1902: Harmost.
- mesosternum* Linst., 1873, 101, apparently for *mesostomum* (Dist.).
- metreus* Braun, 1900f, 389, t. h. *Vespertilio lasiopterus*, V. noctua; Vien. Mus.—1900: Dist. 1900: *Crepidost.* (type).
- mericana* Vayssi re, 1898, 227, t. h. *Cambarus digneti*; Mexico.—1898: *Temnocephala*.
- micahis* Mont., 1892, Oct. 7, 168, t. h. *Cantharus vulgaris*; Triest.—1892: *Cotylogaster* (type).
- micrantha* Dies., 1858d, 259, syn. *Cerc. armata* Fil., 1855b, 3–5, t. h. *Triton punctatus*, *Lymnaeus palustris*.—1858: *Cerc. (Acanthocephala)*.
- micracanthum* Stoss., 1889, 29, t. h. *Pagellus erythrinus*; Triest.—1889: Dist. 1903: *D. (Dicrocalium)*.
- micracanthus* Massa, 1903, see *micrachanthus* (*Trochopus*)
- micrachanthus* Massa, 1903, 225, t. h. *Trigla hirundo*.—1903: *Trochopus*.
- microbothorium* Fischder., 1902a, 21, for *microbothrium* (*Paramphist.*)
- microbothrium* Fischder., 1901a 369, t. h. *Antelope dorcas*; Coll. Vien. and Vet. School, Berlin.—1901: *Paramphist.*
- micranthus* Massa, 1906, 66, for *micracanthus* (*Trochopus*).
- microcephalum* Baird, 1853, 58, t. h. *Acanthias vulgaris*; Falmouth Harbor.—1853: Dist. [*D. veliporum*.]
- microcephalum* Crep., 1837, 311, 1849, 64, in *Corvus cornix*.—1837: Dist.
- microcephalum* Rud., 1819a, 88 lapsus for *microstomum*.—1819: *Amphist.*
- microcerum* Rud., 1819a, 101, t. h. *Glareola austriaca*; Arimini.—1819: Dist. 1901: *Phaneropsolus*. 1892: *D. (Brachylaimus)*.
- microcotyla* Fil., 1854a, 7; 1854b, 260; t. h. *Paludina vivipara*, *P. achatina*; Lake Varese and Lombardia.—1854: *Cerc.* 1855: *C. (Xiphidiocerc.)*. 1858: *C. (Acanthocephala)* [1858: Dist. *tetracystis*.] [1905: *Cystagora*, type.]
- microcotyle* Dies., 1858e, 340, t. h. *Rhombus maximus*; Ireland; based on Bellingham, 1844, 428.—1858: Dist.
- microcristata* Erc., 1881 or 1882, see Par., 1894, 161, t. h. *Bythinia cristata*; Bologna.—1881?: *Cerc.*
- microdactyla* Mont., 1903, 1, t. h. *Dilocarcinus septemdentatus*; Matto Grosso.—1903: *Temnocephala*.
- micropharyngeum* Luehe, 1898g, 623, t. h. *flamingo*; Berberei. 1898: Dist. 1900: *Gymnophallus*.
- microphylla* Ben., 1870, 70, t. h. *Osmerus eperlanus*. 1870: Dist.
- microporum* Mont., 1889, 322, t. h. *Plagyodus ferox*; Madeira.—1889: Dist. 1891: *Apoblema*. 1899: *Hemiuirus*.
- micropteri* Marshall & Gilbert, 1905, 481, t. h. *Micropterus salmoides*, *M. dolomieu*; near Madison, Wis.—1905: *Leuceruthrus* (type).
- micropterygis* Richardi, 1902, 4, t. h. *Micropteryx dumerilii*.—1902: *Didymozoon*. 1902: *Monost.* 1902: *Didymost.* [1902: *D. bipartitum*.]
- microsoma* Rud., 1809a, 109, t. h. *Perca marina*; Naples.—1819: Dist.
- microsoma* Dies., 1850a, 370, for *microsoma* (Dist.).
- microstomum* Rud., 1809a, 50, t. h. *Pleuronectes solea*; Paris.—1809: Dist.
- microstomum* Rud., 1809a, 342, t. h. *Corvus caryocatactes*; Greifswald, Europe.—1809: *Amphist.* 1845: *Holost.*
- microstomum* Crep., 1829, 49, t. h. *Fulica atra*; Greifswald.—1829: *Monost.* [1850: *M. mutabile*.]
- microtyla* Moul., 1856a, 80, for *microcotyle* (*Cerc.*).
- micrura* Fil., 1857c, 5, t. h. *Paludina impura*.—1857: *Cerc.* 1858: *C. (Acanthocephala)*. [1894: Dist. *globiporum*.]
- mid * Dies., 1850a, 325, for *myd *.—*Planaria*. [1850: *Monost. trigonocephalum*.]
- midas* Kuhl & van Hasselt, (1824 or 1822?).—*Polyst.*
- miescheri* Zschokke, 1890, 764, t. h. *Trutta salar*.—1890: Dist. (*Cladoc lium*).



- miescherii* Mont., 1893, 153, for *miescheri* (Dist.).
- migrans* Duj., 1845a, 407, *Brachylaimus advena* renamed, hence type of *Brachylaima*; hosts *Sorex araneus*, *S. leucodon*.—1845: Dist. (*Brachylaimus*, type).
- migras* Stoss., 1892, 19, misprint for *migrans* 1845 (Dist.).
- militaris* Brown, 1881, 329, misprint for *militare* 1803 (Dist.).
- militaris* Rud., 1803a, 30, t. h. *Scolopax arquata*; Greifswald, January.—1803: Fasc. 1809: Dist. (Echinost.). 1860: Echinost.
- milvi* Gmelin, 1790a, 3054, t. h. *Milvus*.—1790: Fasc. 1803: Dist. [1819: *D. echinocephalum*.]
- minima* Ben., 1870, 67, t. h. *Clupea sprattus*.—1870: Dist.
- minimum* Wagener, 1852, 558, t. h. *Trigla microlepidota*.—1852: Gasterost.—1858: Rhipidocotyle.
- minimum* Stoss., 1887, 96, t. h. *Labrax lupus*; Triest.—1887: Gasterost.
- minor* Haswell, 1887a, 284, t. h. *Astacopsis bicarinatus*; New South Wales.—1887: Temnocephala.
- minor* St.-Remy, 1898, 551, minus Olsson, 1876 [*Octobothrium*] renamed.—1898: Dactylocotyle.
- minor* Wagener, 1857, 60, t. h. *Cyprinus alburnus*.—1857: Dactylogyrus.
- minor* Goto, 1894a, 205, t. h. *Scomber colias*; Japan.—1894: Octocotyle.
- minor* Mont., 1888, 16, t. h. *Scyllium*.—1888: Pseudocotyle. 1905: P. (*Leptocotyle*, type).
- minor* Looss, 1901d, 437, t. h. *Labrus merula*; Triest.—1901: Derogenes.
- minus* Cerf., 1898b, 330, t. h. *Raja* sp.; Roscoff.—1898: Merizocotyle.
- minus* Olss., 1876, 10, t. h. *Gadus melanostomus*.—1876: Octobothrium.
- minuta* Looss, 1899b, 585, t. h. dogs and cats at Cairo and *Ardea cinerea* at Damietta, Egypt.—1899: Ascocotyle.
- minuta* Erc., 1881 or 1882, see Par., 1894, 163, t. h. *Bythinia tentaculata*; Bologna.—1881?: Cerc.
- minuta* Nitzsch, 1817, 46, in various fresh-water mollusks; Halle.—1817: Cerc. 1855: C. (*Eucercaria*). 1858: C. (*Gymnocephala*).
- minutissimum* Stoss., 1896, 130, t. h. *Anas boschas*; Doberdò.—1896: Monost.
- minutissimus* Looss, 1901, 618, t. h. *Chelone mydas*; Egypt.—1901: Pleurogonius.
- minutum* Cobbold, 1859d, 364, t. h. *Hæmatopus ostralgus*.—1859: Dist.
- minutus* Looss, 1901e, 604, t. h. *Uranoscopus scaber*; apparently Triest.—1900: *Stephanochasmus*.
- minutus* Fischder., 1901, 372, t. h. *Antilope* sp., *Tragelaphus scriptus*; Kamerun.—1901: Gastrothylax.
- myocerca* Mont., 1888, 77, for *myocerca* (Cerc.).
- mirabilis* Braun, 1891c, 218, t. h. *Limnæus palustris* var. *corvus*.—1891: Cerc.
- mirus* Looss, 1901d, 439, t. h. *Labrus merula*; Triest.—1901: Zoogonus (type).
- mistroides* Mont., 1896, 144, constrictum Leared, renamed.—[1896: Dist.] [1896: *Mesogonimus*.] [1908: *Haplotrema* (type).]
- mitsukurii* Goto, 1894a, 227, t. h. *Rhina* sp.; Mitsugahama, Japan.—1894: Calicotyle. 1898: Calycotyle.
- [*modestum* Sluiter, 1898 (Dist.), a tunicate.]
- molæ* Bl., 1847a, 326, t. h. *Orthogoriscus mola*.—1847: Trist. [1850: *T. rudolphianum*.]
- molæ* Maclaren, 1904, 573, t. h. *Orthogoriscus mola*.—1904: Nematobothrium.
- molæ* Rud., 1819a, 87, t. h. *Orthogoriscus mola*; Naples. 1819: Monost. [1850: Dist. *okenii*.]
- moleculum* Linst., 1880, 51, t. h. *Rallus pygmaeus*.—1880: Dist. 1892: D. (*Brachylaimus*).
- molini* Polonio, 1859, teste Par., 1894, 148, t. h. *Rana esculenta*; Padua.—1859: Dist.
- molinii* Par., 1894, 148, for *molini*, 1859 (Dist.).
- molle* Leidy, 1856, 43, t. h. *Sternotherus odoratus*; U. S. A.—1856: Monost. 1894: Dist. (*Polyorchis*). 1896: *Polyorchis*. 1896: *Pleorchis*.
- mollis* Wedl, 1857, 272, t. h. *Cyprinus carpio*.—1857: Gyrodactylus. 1858: Dactylogyrus.
- mollissimum* Mont., 1893, 96, for *mollissimum* (*Apoblema*).

- mollissimum* Levin., 1881, 59, t. h. *Cottus scorpius*; Egedesminde.—1881: Dist. 1886: D. (Apoblema). 1889: Apoblema. 1889: Hemiusus. [1905: *Lecithaster gibbosus*.] 1907: *Lecithaster*.
- mollissimum* Mont., 1891, 521, for *mollissimum* (Apoblema).
- mollissimum* Mont., 1891, 520, for *mollissimum* (Apoblema).
- molva* Ben. & Hesse, 1863, 1864, 94, t. h. *Lota molva*.—1863, 1864: *Pteronella* (type). 1878: *Udonella*.
- molva* Cerf., 1895h, 944.—1895: *Dactylocotyle*.
- monas* Rud., 1819a, 679, t. h. *Amphisbena* sp.; Brazil.—1819: Dist. 1896: D. (*Brachylaimus*).
- monenteron* Wagener, 1857, 52, etc., t. h. *Esox lucius*.—1857: *Dactylogyrus*. 1858: *Tetraonchus*, probably type.
- mongroti* Bory de St.-Vincent, 1823a, 354, in water.—1823: *Cerc*.
- monorchis* Stoss., 1890, 40, t. h. *Cantharus orbicularis*; Triest. 1890: Dist. 1893: D. (*Monorchis*, type). 1902: *Monorchis*, type.
- monostomi* Linst., 1896i, in 375, perhaps young of *Monost. mutabile*, t. h. *Lymnaea ovata*, L. peregrina; Germany.—1896: *Cerc*.
- monroi* Goodsir, (1844), t. h. *Gadus morrhua*. 1844: *Neuronaia*, type.
- monroi* Goodsir, teste Gulliver, 1872, 103, see *monroi* (*Neuronaia*).
- monstruosum* Braun, 1901, 944, t. h. *Corone venustissima*; West India.—1901: *Ochetosoma* (type).
- monticelli* Mont., 1902, 143, for *monticellii* (*Epibdella*).
- monticellii* Lint., 1898, 518, t. h. *Remora remora*; Woods Hole.—1898: Dist. 1899: *Hemiusus*.
- monticellii* Stoss., 1904, 2, t. h. *Tropidonotus viperinus*, intestine; Naples.—1904: *Astiotrema*.
- monticellii* Scott, 1902, 300, t. h. *Raia clavata*; Scotland.—1902: *Acanthocotyle*.
- monticellii* Par. & Perugia (1895), 2.—1895: *Phylline*. 1896: *Epibdella* (*Phylline*). 1903: E. (*Benedenia*).
- mordax* Looss, 1899b, 688, t. h. *Pelecanus onocrotalus*; Egypt. 1899: *Echinost.*
- mordax* Braun, 1901g, 941, t. h. *Rallus* sp.; Brazil.—1901: *Harmost.*
- mormiri* Mont., 1888a, 34, for *mormyri* (*Microcotyle*).
- mormyri* Lorenz, 1878a, 21, t. h. *Pagellus mormyrus*; Triest.—1878: *Microcotyle*.
- mormyri* Stoss., 1885, 160, t. h. *Pagellus mormyrus*; Triest.—1885: Dist. 1886: D. (*Brachylaimus*). [1899: ?*Creadium*.]
- mormyris* Hausmann, 1897b, 28, for *mormyri* (Dist.).
- morrhua* Ben. & Hesse, 1863, 106, t. h. *Gadus morrhua*.—1863: *Pterocotyle*. 1879: *Oetobothrium*. 1890: O. (*Pterocotyle*). 1898: *Dactylocotyle*.
- motella* Ben., 1870, 63, t. h. *Motella mustela*.—1870: Dist.
- [*mucosum* von Dr. (Dist.), a tunicate.]
- mühlingi* Jaegers., 1899a, 7, t. h. *Larus ridibundus*; Pillau.—1899: Dist. 1899: *Tocotrema*.
- mühlingi* Looss, 1899b, 586, for *mühlingi* (*Tocotrema*).
- mülleri*, see *mülleri* (Dist.).
- mülleri* Cobbold, 1860a, 50, t. h. *Petromyzon fluviatilis*.—1860: *Diplost.*
- mülleri* Levin., 1881a, 56, t. h. *Cottus scorpius*, *Gadus ovak*; Egedesminde.—1881: Dist. 1886: D. (*Brachylaimus*). 1899: *Progonus* (type). [1902: *Genarches* (type).] 1905: *Genarches* (type).
- mugilis* Vogt, 1878, 327, t. h. *Mugil cephalus*; Roscoff.—1878: *Microcotyle*.
- mugilis* Sons., 1891, 253, for *mugilis* (*Microcotyle*).
- mullerii* Mont., 1888, 34, 37, for *mülleri* (Dist.).
- mulli* Stoss., 1883, 114, t. h. *Mullus barbatus*; Triest. 1883: Dist. 1886: D. (*Echinost.*).
- multilobum* Cobbold, 1860a, 46, t. h. *Charadrius pluvialis*.—1860: *Holost.*
- munroi* Brown, 1899a, 490, for *monroi* (*Neuronaia*).
- murænula* Cobbold, 1860a, 43, for *marænula* (*Monost.*).—[1860: *M. braunii*.]
- muris* Erc., 1882c, pl. 3, figs. 16-21.—1882: Dist.

- mus musculus* Roederer, 1762, 537, t. h. *Mus musculus*; Germany.—1762: Fasc. [1905: *Cysticercus fasciolaris*.]
- musculi* Rud., 1819a, 119, t. h. *Mus musculus*; Cat. Vien.—1819: Dist. [See *D. recurvum*.]
- musculicola* Waldenburg, 1860, 12, t. h. *Cyprinus*, *Perca fluviatilis*.—1860: Holost. 1892: Diplost. 1894: Tetracotyle.
- musculorum* Braun, 1893, 871, *musculorum percæ*, 1860, renamed; in *Perca fluviatilis*.—1893: Dist.
- musculorum percæ* Waldenburg, 1860, 16, t. h. *Perca fluviatilis*.—1860: Dist.
- musculorum suis* Duncker, 1896, 279, t. h. *Sus scrofa dom.*; Germany.—1896: Dist. [1898: *Agamodistomum suis*.]
- musculosus* Johnston, 1904, 112, t. h. *Sterna bergii*.—1904: Holost.
- musculum* Brett, 1880a, 453, t. h. *Ovis aries*.—1880: Dist.
- mutabile* Mol., 1859, 833, t. h. *Podarcis muralis*; Padua, Italy.—1859: Dist. 1895: *D. (Dicrocoelium)*. 1901: *Dicrocoelium*. 1902: *Anchitrema*.
- mutabile* Zed., 1800a, xvi, t. h. *Fulica chloropus*; Germany.—1800: Monost. 1809: Monost. (Monost.). 1835: Amphist. 1890 (1888?): Monost. (type). [1892: *Cyclocœlum*, type.] [1901: *Cyclocœlum*, type.] 1902: *Cyclocœlum* (type). 1904: (*Cyclocœlum*).
- mutabile* Dies., 1850a, 301, *Diplodiscus diesingi* renamed, t. h. *Planorbis nitidus*; Ticini.—1850: *Diplocotyle* (type). 1894: *Diplodiscus (Diplocotyle)*. [1858: *Diplodiscus subclavatus*.]
- mutabilis* Schrank, 1803, 210.—1803: Fasc.
- mutabilis* Dies., 1850a, 317, *urnigerum* 1819 renamed, t. h. *Pelophylax esculentus*; Europe.—1850: *Codonocephalus* (type). 1896: Diplost. (*Codonocephalus*).
- mutabilis* Dies., 1839a, 234, t. h. *Cataphractus n. sp.* [*Cichla temensis*]; Rio Negro, Brazil.—1839: *Aspidocotylus* (type). 1850: *Aspidocotyle* (type).
- mutabilis* Stoss., 1902, 579, t. h. *Anguillula vulgaris*; Triest.—1902: *Loborchis*. 1903: *Helicometra*.
- mutabilis* Eichwald, ———: *Planaria*.
- mydæ* Braun, in Rud., 1809a, 336, as syn. of *Monost. trigonocephalum*.—1809: *Planaria*.
- mydæ*, see *midas* (*Polyst.*).
- mydas*, see *midas*.
- myliobatis* Tasch., 1878, 574, t. h. *Myliobatis aquila*; Naples.—1878: *Monocotyle* (type).
- myocerca* Villot, 1878, 32, t. h. *Scrobicularia tenuis*.—1878: Cerc.
- mystacidis* Linst. 1896i, 379, t. h. *Mystacides nigra*.—1896: Dist.
- myzura* Pag., 1881, 18, t. h. *Neritina fluviatilis*.—1881: Cerc.
- naia* Duj., 1845a, 387, for *naja*.—1845: Dist. (*Dicrocoelium*).
- naidis proboscidiæ* Dies., 1858d, 283.—1858: *Cercariæum*.
- naja* Rud., 1819a, 99, t. h. *Coluber natrix*; Berlin.—1819: Dist. 1845: *D. (Dicrocoelium)*. 1899: *Macrodera* (type). 1902: *Saphedera* (type).
- nana* Rud., 1802b, 68, t. h. *Scolopax gallinula*; Greifswald, July.—1802: Fasc. 1809: Dist. 1901: *Plagiorchis*.
- nanodes* Braun, 1901g, 942, t. h. *Falco nitidus*; Brazil.—1901: *Urotrygma* (type).
- nardoi* Polonio, 1859, see *Par.*, 1894, 147, t. h. *Lacerta muralis*; Padua.—1859: Dist.
- nassæ mutabilis* Fil., 1855b, 22.—1855: Dist.
- natator* Claparède, 1863a, 13, free.—1863: *Onchogaster* (type).
- nattereri* Cobbold, 1860a, 52, *cornu* Dies., 1839a, renamed; t. h. *Callichthys vacu*; Brazil.—1860: Amphist.
- negacotyle* Dies., 1850a, 379, misprint for *megacotyle* (Dist.).
- neglecta* Fil., 1854b, 278, t. h. *Lymnæus pereger*; prope Augustam Taurinorum.—1854: Cerc. 1855: *C. (Eucercaria)*. 1858: *C. (Gymnocephala)*.
- neglectum* Linst., 1887d, 101, t. h. *Rana temporaria*.—1887: Dist. 1889: *D. (Dicrocoelium)*. [1899: *Pleurogenes claviger*.]
- nematoides* Cohn, 1904, 238, t. h. *Aquila albicilla*.—1904: *Pronopharynx* (type).
- nematoides* Crep., 1846, 129, t. h. *Falco albicilla*.—1846: Monost.
- nematoides* Much., 1898, 18, t. h. *Tropidonotus natrix*; East Prussia.—1898: Dist. 1899: *Telorchis*.

- nephriticum* Mehlis, in Crep., 1846, 138, t. h. *Colymbus arcticus*.—1846: Monost. 1904: Eucotyle (type).
- nephrocephalum* Dies., 1850a, 391, t. h. *Turdus saxatilis*; M. C. V.—1850: Dist. 1860: Echinost.
- nephrocephalum* Dies., 1858e, 327, in *Sphargus coriacea*; N. America; re-nicapite Leidy, 1856, renamed.—1858: Monost.
- nephrops* Cunningham, 1884a, 399, t. h. *Nephrops norvegicus*; Firth of Forth.—1884: Stichocotyle (type).
- neuronaia monroii* Maddox, 1867, 97, see *monroii*.—1867: Dist.
- neuronii monroii* Cobbold, 1872b, 52, for *neuronaia monroii* (Dist.).
- nigra* Mueller, 1774, 54, in rivo.—1774: Fasc. 1787: Planaria.
- nigrascens* Olss., 1876, 19, t. h. *Lophius piscatorius*.—1876: Dist.
- nigroflavum* Rud., 1819a, 118, t. h. *Orthogoriscus mola*; Naples.—1819: Dist. (Echinost.). 1893: D. (Accacœlium). 1899: Accacœlium. 1903: Echinost.
- nigropunctatum* Linst., 1883, 310, t. h. a bird "Akatzu;" Turkestan.—1883: Monost.
- nigrostavum* Deslongchamps, 1829, 238, misprint for *nigroflavum* Rud. (Dist.).
- nigrovenosum* Bellingham, 1844, 429, t. h. *Tropidonotus natrix*; England.—1844: Dist. 1895: D. (Dicrocœlium). 1899: Lecithodendrium. 1902: Brachycoelium.
- nigrovenosum natrix torquatae* Dies., 1855, 64, based on Bellingham, 1844. 1855: Dist.
- nigrum* Linst., 1883, 307, t. h. *Corvus cornix*.—1883: Dist.
- nipponicum* Goto, 1891a, 151, t. h. *Carassius vulgaris*.—1891: Diplozoon.
- nitens* Lint., 1898c, 534, t. h. *Tylosurus caribbaeus*; Woods Hole.—1898: Dist.
- nitidum* Leidy, 1856, 45, t. h. *Rana pipiens*.—1856: Holost.
- [*nitidum* Sluiter, 1898, 17 (Dist.), a tunicate.]
- noctulae* Cobbold, 1860a, 39, *vespertilionis* Rud., renamed, t. h. *Vespertilio noctula*.—1860: Monost.
- noctulae* Rud., 1819a, 119, t. h. *Vespertilio noctula*; C. E. V.—1819: Dist.
- nocturnus* Looss, 1907, 479, t. h. *Athene noctua*; Egypt.—1907: Philophthalmus.
- nodulosa* Linst., 1873, 3, t. h. *Bythia tentaculata*.—1873: Cerc. [1894: C. virgula Fil.]
- nodulosa* Frælich, 1791, 76, includes *percae cernuae* 1776, t. h. *Perca cernua*; P. fluvialis.—1791: Fasc. 1800: Dist. 1845: Dist. (Crosso-dera, type). 1860: Crosso-dera. [1896: Bunodera, type.] 1899: Bunodera, type.
- non coronata* Crep., 1837a, 326.—1837: Dist. [As name of a group of distomes.]
- nordmanni* Dies., 1850a, 428, t. h. *Brama mediterranea*.—1850: Encotyllabe (type). 1878: Trist. 1890: Plectanocotyle.
- nordmanni* Braun, 1890a, 550, for *nordmanni* (Encotyllabe).
- notidobiae* Linst., 1896i, 379, t. h. *Notidobia ciliaris*.—1876: Dist.
- notulata* Bosc, 1802a, 254.—1802: Planaria.
- nozelandiae* Haswell, 1887a, 284, t. h. *Paranephrops setosus*; New Zealand.—1887: Temnocephala.
- nozerca* Braun, 1902, 836, "conjunctum Cobbold" of Lewis & Cunningham, 1872, renamed, t. h. *Homo*; India.—1902: Opisthorchis. 1907: Dist.
- nozarae* Goto, 1894a, 249, t. h. *Thynnus sibi*; Japan.—1894: Trist.
- obesa* Ben., 1870, 33, t. h. *Cottus scorpius*.—1870: Dist.
- obesum* Looss, 1902h, 135, t. h. *Mugil auratus*, M. cephalus, M. chelo; Trieste.—1902: Saccocœlium (type).
- obesum* Dies., 1850a, 361, t. h. *Leporinus friderici*, *Salminus brevidens*, *Xiphostoma cuvieri*; Brazil.—1850: Dist.
- obesus* Crep., 1851b, 292, t. h. *Lacerta agilis*. 1851: Tetrathyrus (type). 1866: Petratyrus. [Monost. lacertae.] [1860: Monost. gurltii.] [Dithyridium, Piestocystis, cestode.]
- obliquus* Looss, 1901, 30 Oct., 566, "trigonocephalus Rud." of Looss, 1899b, 666, 756, figs. 84–86.—1901: Pronocephalus (type).
- oblonga* Cobbold, 1858b, 168, t. h. *Delphinus phocaena*.—1858: Campula (type). 1891: Dist. 1892: D. (Brachylaimus). 1898: Opisthorchis.
- oblongum* Mont., 1888a, 57, for *oblongum* (Polyst.).

- oblongum* Cobbold of Braun, see Looss, 1902m, 716 (*Brachycladium*).
- oblongum* R. Wright, 1879, 12, t. h. *Aromochelys* (*Sternotherus*) *odoratus*; Toronto, Canada.—1879: Polyst.
- obovatum* Mol., 1858, 288, t. h. *Chrysophris aurata*; Padua.—1859: Dist. 1886: D. (*Brachylaimus*). [1899: *Creadiinae*.] 1901: *Allocreadium*.
- obscura* Mueller, 1774, 65, in piscinis.—1774: Fasc. 1776: *Planaria*.
- obscura* Sons., 1892, Oct. 7, 138, t. h. *Limnæa natalensis*; Cairo, Egypt.—1892: Cerc.
- obscurum* Staff., 1904, 484, t. h. *Lophius piscatorius*; Canada.—1904: *Leptosoma* (type).
- obscurum* Leidy, 1887, 24, t. h. *Megalops thrissoides*; Coll. Army Med. Mus., Wash.—1887: Monost.
- obtusum* Looss, 1896b, 78, t. h. *caméléon*, Alexandria, Egypt.—1896: Dist. 1899: *Lecithodendrium*.
- occidentalis* Nickerson, 1900, 250, t. h. sheephead; Mississippi Valley.—1900: *Cotylogaster*.
- occidialis* Staff., 1905, 687, t. h. *Rana clamata*, *R. catesbiana*; Canada.—1905: *Halipegus*.
- occulum* Staff., 1905, 682, t. h. *Diemyctylus viridescens* Raf., *Rana virescens*; Canada.—1905: Monodist. (type).
- ocellata* LaValette, 1855, 22, t. h. *Limnæus stagnalis*.—1855: Cerc. [1858: *Histrionellina fissicauda*.]
- ocellatum* Rud., 1819a, 125, t. h. *Testudo orbicularis*; Arimini.—1819: Polyst. 1828: *Hexacoctyla*. 1828: *Hexacotyle*.
- ochreatum* Nitzsch, in Giebel, 1857, 265, t. h. *Falco haliaëtus*.—1857: Holost.
- ocreata* Rud., 1802b, 79, *halicis* 1790 renamed; t. h. *Clupea harengus*.—1802: Fasc. 1809: Dist. 1845: D. (*Apoblema*). 1889: *Apoblema*. 1899: *Pronopyge* (type).
- ocreata* Goëze, 1782a, 182, t. h. Maulwurf; Europe.—1782: Fasc. 1788: *Cucullanus*. 17—: *Festucaria* (Schrank). 1800: Monost. 1809: M. (Monost). 1899: Dist. [1899: *Itygonimus*, type.] 1902: *Itygonimus*. [*Distomum lorum*.]
- ocreatum* Mol., of Olss., 1868, 48.—1868: Dist. 1891: *Apoblema*. 1899: *Hemiusus*. [1905: *Brachyphallus crenatus* (Rud.).]
- ocreatum* Rud. of Mol., 1858, 209, in *Clupea alosa*; Padua.—1858: Dist.
- octopodis* Cuvier, 1829b, 147.—1829: *Hectocotylus* (type).
- octopodis* delle Chiaje, 1841, 139.—1841: Dist.
- octopodis* delle Chiaje, teste Par., 1894, 169, t. h. *Octopus vulgaris*; Naples.— —: Monost.
- ocular* de Bonis, 1882, 180, for *oculare*.—1882: Dist. [Agamodist. ophthalmobium.]
- oculare* Moquin-Tandon, 1860, 347, for D. *oculi humani*.—1860: Dist. 1860: Fasc. [Agamodist. ophthalmobium.]
- oculatum* Levin., 1881a, 64, t. h. *Cottus scorpius*; Egedesminde.—1881: Dist. 1886: D. (*Echinost.*). 1905: *Acanthopsolus* (type).
- oculi humani* Gescheidt, 1833, 434, t. h. *Homo*; Dresden, Saxony.—1833: Dist. 1858: *Dicrocoelium*. [Agamodist. ophthalmobium.]
- oculis* Moquin-Tandon, 1861, 375, for *ocularis*.—1861: Fasc. [Agamodist. ophthalmobium.]
- oculobium* Cohn, 1902d, 712, t. h. *Vanellus melanogast.*; Greifswald coll.—1902: Monost.
- odontocotyla* Dies., 1858d, 264, t. h. *Lymnæus stagnalis*; Berlin.—1858: Cerc.
- oerophagi ardes nigra* Viborg, 1795, 242.—1795: Dist. [1850: D. *hians*.]
- oidemæ nigra* Dies., 1858e, 322, based on Bellingham, 1844a, 340.—1858: Amphist. [1858: Holost. *anatis nigrae*.]
- okeni* Ariola, 1906, 186, for *okenii* (Dist., Köllikeria).
- okenii* Kölliker, 1849c, 55, t. h. *Brama raji*.—1849: Dist. [1860: Köllikeria.]
- okul' humani* Schneidemuehl, 1896, 302, for *oculi humani*.—1896: Dist.
- oligoon* Linst., 1887d, 103, t. h. *Gallinula chloropus*.—1887: Dist. 1892: D. (*Brachylaimus*).
- oligoterus* Mont., 1899, 76, t. h. *Raja clavata*; Naples.—1899: *Acanthocotyle*.
- oloris* Dies., 1855, 64, based on Bellingham, 1844, 427.—1855: Dist.
- olssoni* Odhn., 1905, 326, t. h. *Gadus melanostomus*; Lumprenus *maculatus* from west coast of Sweden.—1905: *Podocotyle*.

- olasoni* Rail., 1900, 239, t. h. *Apus apus*.—1900: *Dicrocoelium*.
- onchacanthus* Massa, 1906, 44, t. h. unknown; Trieste.—1906: *Trochopus*.
- onchidiocotyle* Setti, 1899, 121, t. h. "tonno;" Portoferraio.—1899: *Trist.*
- onycephalum* Galli-Valerio, 1898, 923, misprint for *oxycephalum* (Dist.).
- opara* Bory de St. Vincent, 1823a, 354, in infusions de pois.—1823: *Cerc.*
- opaca* Staff., 1902, 416, t. h. *Bufo lentiginosus*; America.—1902: *Gorgoderina*. 1905: *Gorgoderina*.
- opacum* Ward, 1894, 173, t. h. *Amia calva*, *Cambarus propinquus*, *Ictalurus punctatus*, *Perca flavescens*; Lake St. Clair.—1894: Dist. 1894: *D.* (*Brachycoelium*). 1899: *Levinsonia*. 1901: *Microphallus* (type).
- operculata* Herbst, 1787a, 36.—1787: *Planaria*.
- ophthalmobium* Dies., 1850a, 334, *oculi humani* renamed; Dresden.—1850: Dist. 1892: *Agamodist.*
- ophthalmothium* Luche in Stiles, 1903u, 223, for *ophthalmobium* (*Agamodist.*).
- opisthotrias* Lutz, 1895, 181, t. h. *Didelphys aurita*.—1895: Dist. 1899: *Harmost.* 1899: *Heterolope*.
- orbiculare* Sons., 1891, 262, misprint for *orbiculare* (*Monost.*).
- orbiculare* Dies., 1850a, 349, t. h. *Cebus trivirgatus*; Brazil.—1850: Dist. 1901: *Phaneropsolus*.
- orbiculare* Rud., 1819a, 83, t. h. *Sparus salpa*; Naples.—1819: *Monost.* (*Monost.*). 1901: *Mesometra* (type).
- orbis* Mueller, 1786, 138, in aqua, ubi *Lemna*, rarissime.—1786: *Cerc.* 1815: *Furcocerca*. 1827: *Lecane*.
- orcola* Leidy, 1884a, 47, t. h. *Alligator mississippiensis*; Florida. —1884: Dist. [1895: *D. pseudostomum*.]
- oricula* Mont., 1892, 715, misprint for *oricola* (Dist.).
- ornata* LaValette, 1855, 18, t. h. *Planorbis corneus*.—1855: *Cerc.* 1858: *C.* (*Acanthocephala*). [1858: Dist. *clavigerum*, type of *Pleurogenes* 1899.]
- ornata* Will.-Suhm, 1870, 9, t. h. *Alligator lucius*; Charleston.—1870: *Polycotyle* (type).
- ornata* (Odh.), 1902, 22, t. h. *Nilkrokodil*.—1902: *Stephanoprora* (type).
- ornatum* Leidy, 1856, 43, t. h. *Rana pipiens*; Phila.—1856: *Monost.*
- ornatum* Cobbold, 1882a, 240, t. h. *Elephas indicus*; India. —1882: *Amphist.* 1895: *Pseudodiscus*.
- ornithorhynchi* Johnston, 1901, 334, t. h. *Ornithorhynchus anatinus* Shaw. 1901: Dist.
- orphi* Ben. & Hesse, 1863, 116; 1864, 116, t. h. *Esox belone*. 1863: *Axine*. [1879: *A. belones*.]
- orthogorisci mola* Dies., 1855, 64, based on Bellingham, 1844, 429. —1855: Dist. [1850: *D. macrocotyle*.]
- orthocelium* Fischder., 1901, 369, t. h. *Bos kerabau*; Ceylon.—1901: *Paramphist.*
- osculatum* Looss, 1901, 654, t. h. *Motella vulgaris*.—1901: Dist.
- osleri* R. Wright, 1879, 66, t. h. *Necturus lateralis*? Canada. —1879: *Sphyrnura* (type).
- osleri* Mont., 1888a, 8, for *osleri* (*Sphyrnura*).
- oti* Rud., 1819a, 354, for *otidis*, syn. of *macrocephalum*.—1819: *Festue*.
- otidis* Frölich, 1802, 53, t. h. *Strix otus*.—1802: *Festue*. [Amphist. *macrocephalum*.]
- orale* Goto, 1894a, 241, t. h. *Histiophorus orientalis*; Misake, August. 1894: *Trist.* [1899: *T. leve*.]
- oralis* Schrank, 1803, 86.—1803: *Cerc.*
- orata* Villot, 1878, 20, t. h. *Lygia oceanica*.—1878: *Cerc.*
- orata* Rud., 1803a, 25, t. h. *Corvus frugilegus*.—1803: *Fase*. 1809: Dist. 1845: Dist. (*Dicrocoelium*). 1892: *Cephalogonimus*. 1896: *D.* (*Cephalogonimus*). 1899: *Prosthogonimus* (type). 1899: *Prynopriion* (type). 1901: *Prosthogonimus* (type). 1902: *Prosthogonimus*.
- orata* Linst., 1877, 192.—1877: *Tetracotyle*. [1891: *Holost. variegatum*.]
- orata* Goto, 1894a, 234, t. h. *Anthias schegeli*; Misaki, Japan, August.—1894: *Epibdella*. 1902: *Trist.* 1903: *E.* (*Benedenia*).
- oratum* Lint., 1900, 269, t. h. *Lobotes surinamensis*; Woods Hole.—1900: *Gasterost.*
- oratum* Dies., 1850a, 302, for Dist. *luteum* Baer, 2, 610, pl. 29, figs. 20–22, in *Paludina vivipara*; Regiomontii.—1850: *Heterost.* 1858: *Cercariaeum*. [1858. Dist. *luteum* Wagener.]

- ovatum* Mol., 1859, 822, t. h. *Gallinula crex*; Batavii.—1859: Monost.
- ovicola* Brand., 1894a, 303, t. h. *Arius commersonii*; Brazil.—1894: *Fridericianella* (type).
- oviforme* Poir., 1886, 26, t. h. *Nycticebus javanicus*.—1886: Dist. 1892: Dist. (*Brachycœlium*). 1899: *Phaneropsolus*. 1899: *Lecithodendrium*.
- ovis* Cobbold, 1885a, 499, t. h. *Ovis*.—1885: *Bilharzia*.
- ovocaudatum* Vulpian, 1859, 150, t. h. *Rana viridis*.—1859: Dist. 1899: *Halipegus* (type).
- ovofarctum* Odhn., 1902, 153, t. h. *Synodontis* sp.; Omdurman.—1902: Dist.
- ovopunctatum* Stoss., 1902, 15, t. h. *Numenius arquata*.—1902: *Cyclocœlum*.
- orum* Crep., 1846, 159, t. h. *Planorbis marginatus*.—1846: Dist.
- oxycephalikum* Schneidemuehl, 1896, 303, for *oxycephalum* (Dist.).
- oxycephalum* Rud., 1819a, 98, t. h. *Anas boschas*, *A. clypeata*.—1819: Dist. 1896: *Echinost.*
- oxycephalum* Dies., 1836d, 238, t. h. *Salmo auratus*, *S. pacu* and *Silurus megacephalus* at Cuyaba, and *Salmo pacupeba* at Rio Panara and Rio Araguay; Brazil.—1836: *Amphist.* 1905: *Chiorchis*.
- oxyurum* Crep., 1825, 48, t. h. *Anas marila*; Germany.—1825: Dist. 1902: *Psilost.*
- pachisomum* Par., 1894, 155, for *pachysoma* (Dist.).
- pachycerca* Dies., 1858d, 257, includes *C. brachyura* Lespés, t. h. *Trochus cinereus*; Francogalliæ.—1858: *Cerc.* (*Acanthocephala*).
- pachycerca* Claparède, 1863a, 12, free form; St. Vaast.—1863: *Cerc.*
- pachyderma* Braun, 1899a, 629, t. h. *Chelone atra*.—1899: Dist.
- pachysoma* Eysenhardt, 1829, 144, t. h. *Mugil auratus*.—1829: Dist. 1886: *D.* (*Podocotyle*). 1893: *D.* (*Monorchis*). 1898: *Podocotyle*. 1902: *Haploplanchnus* (type).
- pacifica* Steenstrup, 1842, 74.—1842: Dist.
- pacifica* Ben., 1858a, 1861a, 86, as syn. of *Dist. militare*.—1858: *Cerc.*
- pagelli* Ben., 1870, 1871a, 43, t. h. *Pagellus centrodontus*; Belgium.—1870: Dist. 1886: *D.* (*Cladocœlium*).
- pagelli* Ben. & Hesse, 1863, 80, t. h. *Pagellus centrodontus*.—1863: *Encotyllabe*. 1878: *Trist.*
- pagenstecheri* Ssinitzin, 1905, 34, *Dist. cygnoides* Zed. of *Pag.*—1905: *Gorgodera*.
- palæmonis* Linst., 1877b, 186, t. h. *Palæmon serratus*.—1877: Dist.
- [*palea* (Nitzschia), a diatom.]
- palliatum* Braun, 1892a, 608, misprint for *palliatum* (Dist.).
- pallasii* Poir., 1885, 13, t. h. *Delphinus phocæna*.—1885: Dist. 1892: *D.* (*Dicrocœlium*).
- pallenicum* Shipley & Hornell, 1905, 53, t. h. *Balistes* sp.; Ceylon.—1905: Dist.
- pallens* Rud., 1819a, 111, t. h. *Sparus aurata*; Naples.—1819: Dist. 1886: *D.* (*Dicrocœlium*).
- palliatum* Looss, 1885a, 390, t. h. *Delphinus delphis*.—1885: Dist. 1892: *Cladocœlium*. 1899: *Brachycladium* (type). 1901: *Campula*.
- pallidum* Staff., 1904, 487, t. h. *Fundulus heteroclitus*; Woods Hole.—1904: *Homalometron* (type).
- pallidus* Looss, 1902n, 889, t. h. *Milvus ægyptiacus*; Egypt.—1902: *Heterophyes*.
- palmatum* Rentsch, 1860, 38, t. h. *Seestichling*, *Gasterosteus spinachia*.—1860: Dist.
- palmatum* Leuck., 1830, 612, t. h. *Gadus molva*; Germany.—1830: *Octobothrium*. 1842: *Octobothrium*. 1845: *Octobothrium* (*Cyclocotyle*). 1850: *Diclidophora*. 1859: *Octoplectanum*. 1864: *Pterocotyle* (type). 1879: *Octobothrium*. 1890: *Octobothrium* (*Pterocotyle*). 1895: *Dactylocotyle*.
- palonia* J. Poir., 1883, 73, t. h. *Palonia frontalis*; Java.—1883: *Homalogaster*, type.
- palpebrarum* Looss, 1899, 587, t. h. *Corvus cornix*, *Milvus parasiticus*; Egypt.—1899: *Philophthalmus* (type).
- paludina* *impura* Baer, see Dies., 1855a, 400.—1855: *Cerc.* 1855: Dist. 1855: *Cercariaeum*.
- paludina* *impura* Fil., 1854, 279, t. h. *Paludina impura*.—1854: Dist. 1855: *Cercariaeum*. [1858: *C. p. i. inermis*.]
- paludina* *impura* *armatum* Fil., 1857, 207, t. h. *Paludina impura*.—1857: Dist. 1858: *Cercariaeum*.

- paludinæ impuræ inermis* Fil., 1857, 207. 1857: Dist. 1858: Cercariæum. [1858: Dist. perlatum.]
- paludinæ impuræ* (tentaculorum) Dies., 1855, 399, based on Baer, 1827b, 655, in *Paludina impura*; Regiomontii.—1855: Cercariæum.
- paludinæ viviparæ* Dies., 1855, 399=*helicis viviparæ* renamed, t. h. *Paludina vivipara*; Vilnæ.—1855: Cercariæum.
- [*pancerii* D. Valle (Dist.) a tunicate.]
- pancerii* Sons., 1891, 303, t. h. *Umbrina cirrhosa*; Italy.—1891: Microcotyle.
- pancreaticum* Janson, 1889a, or Rail., 1890, 143, t. h. sheep; Japan.—1890: Dist. 1897: Dicrocoelium. 1907: Eurytrema, type.
- pancreaticum* Katsurada & Saita, 1906, 501, t. h. cattle; Japan.—1906: Dist. [Eurytrema.]
- pancreatinum* Ward, 1895, 335, for *pancreaticum* (Dist.).
- pandum* Braun, 1901a, 48, t. h. *Thalassochelys caretta*; Naples.—1901: Monost.
- panduriforme* Rail., 1900, 240, t. h. *Pica pica*.—1900: Dicrocoelium.
- pangasii* MacCallum, 1905, 668, t. h. *Pangasius nasutus*; Palembang, Sumatra.—1905: Cladorchis.
- papillatum* Rud., 1814a, 105, t. h. *Anas boschas fera*; Germany.—1814: Dist.
- papillatum* Ben., 1858a, 38.—1858: Trist.
- papillatum* Cobbold, 1882, 240, t. h. *Elephas indicus*; India.—1882: Amphist.
- papilliferum* Mol., 1859, 290, t. h. *Belone acus*; Batavii.—1859: Dist. 1886: D. (Crossodera).
- papilliferum* Braun, 1892a, 586, for *papillatum* Cobbold, 1882 (Amphist.).
- papillosum* Juel, 1889, 14, for *papillosum* (Trist.).
- papillosa* Erc., 1881 or 1882, see Par., 1894, 164, t. h. *Bythinia tentaculata*; Bologna.—1881?: Cerc.
- [*papillosa* Crep., 1837a, 326, name of a group of Dist.]
- papillosa* Lint., 1898, 508, t. h. *Gadus callarias*; Woods Hole.—1898: Nitzschia. 1904: Lintonia (type).
- papillosum* Dies., 1836, 313, t. h. *Xiphias gladius*.—1836: Trist. 1840: Capsala.
- papillosum* Dies., 1850a, 381, *D. beroë*s Will, renamed; t. h. *Beroë rufescens*; Trieste.—1850: Dist. 1860: Crossodera.
- paradoxum* Nord., 1832a, 56, t. h. *Cyprinus brama*.—1832: Diplozoon (type).
- paradorum* Carus, 1833a, 1835, 86, t. h. *Succinea amphibia*, *Helix putris*; Saxony.—1835: Leucochloridium (type).
- paralorus* Rud., 1810a, 257, t. h. *Tetrodon mola*; Europe.—1810: Schisturus (type).
- paradurus* Crep., 1839a, 292, t. h. *Perca lucioperca*; Greifswald.—1839: Ancyrocephalus (type). 1878: Dactylogyrus. [1879: Tetraonchus unguiculatus.]
- parallelum* Looss, 19011, 622, t. h. *Chelone mydas*; Alexandria, from Egyptian coast.—1901: Microsaphidium. 1902: Angiodictyum (type).
- parasitica* Jägers., 1897, 707, t. h. *Raja clavata*, *R. levis*; Kattegat.—1897: Micropharynx (type) [ectoparasitic triclad].
- paronæ* Mont., 1893, 43, t. h. *Seriola dumerilii*.—1893: Dist.
- parva* Erc., 1881 or 1882, see Par., 1894, 164, t. h. *Bythinia tentaculata*; Bologna.—1881?: Cerc.
- [*parva* Sluiter, 1900, 6 (Dist.), a tunicate.]
- parva* Stoss., 1904, 10, t. h. *Rana esculenta*; Istria centrale.—1904: Brachymetra (type).
- parvulum* Staff., 1904, 494, t. h. *Semotilus bullaris*; Canada.—1904: Diplost.
- parvulus* Marshall & Gilbert, 1905, 478, t. h. *Micropterus salmoides*; near Madison, Wis.—1905: Cæcicola (type).
- parvus* Braun, 1901, 19, t. h. *Testudo orbicularis*; Vien. Mus.—1901: Telorchis. 1905: T. (Cercorchis).
- parvus* Looss, 1902i, 118, t. h. *Sargus annularis*, *S. rondeletii*; Trieste.—1902: Monorchis.
- pastinacæ* Scott, 1904, 279, t. h. *Trygon pastinaca*; Scotland.—1904: Heterocotyle, type.
- palagiatum* Crep., 1846, 135, t. h. *Ardea stellaris*.—1846: Holost.



- patellare* Sturges, 1897, Sept., 57, t. h. *Triturus* (Molge) *pyrrhogaster* Boie.—1897: Dist. [1899: *Phyllodist.*] 1899: *Spathidium*. 1901: *Phyllodist.*
- pectinata* Huet, 1891a, 162, t. h. *Donax anatinum*.—1891: Cerc.
- pectinatum* Lint., 1905, 327, t. h. *Trachinotus carolinus*, *Bairdiella chrysura*; Beaufort, N. C.—1905: Dist.
- pedata* Schrank, (1796), 335, t. h. *Anas querquedula*.—1796: *Festuc.* [1905: *Catatropis verrucosa*.]
- pedatum* Looss, 1899, 592, t. h. *Bagrus bayad*, *B. docmac*; Cairo, Egypt.—1899: *Glossidium* (type).
- pedatum* Dies., 1850a, 309, t. h. *Didelphis myosurus*, *D. cancrivorus*; Brazil.—1850: Hemist.
- pedatus* Wagener, 1857, 99, t. h. *Julis*.—1857: *Dactylogyrus*. 1858: *Diplectanum*.
- pedatus* Dies., 1836c, 310, bellones 1794, renamed, t. h. *Esox belone*.—1836: *Heteracanthus*. [1794: *Axine*, type.]
- pedicellatum* Stoss., 1887, 184, t. h. *Chrysophrys aurata*; Triest.—1887: Dist. 1898: *Podocotyle*. [1899: *Creadiinae*.]
- pedocotyle* Leidy, 1890, 282, t. h. *Mola rotunda*; New Jersey.—1890: Dist.
- pegorchis* Stoss., 1901, 94, t. h. *Mæna smarisi*; Triest.—1901: *Creadium*. 1901: *Allocreadium*. 1904: *Lepocreadium*.
- pelagia* Kœlliker, 1849, 53, t. h. *Pelagia noctiluca*; Naples.—1849: Dist. 1893: *D. (Accacœlium)*. 1900: *Accacœlium*.
- pelagica* Mont., 1888, 45.—1888: Cerc.
- pelagicum* Staff., 1900, 399, at Passamaquoddy Bay, St. Andrews, New Brunswick.—1900: Dist. 1902: *Hemius* (*Apoblema*).
- pelamydis* Tasch., 1878, 176, t. h. *Pelamys sarda*; Naples.—1878: Trist.
- pelamydis* Tasch., 1879, 612, t. h. *Pelamys sarda*; Naples.—1879: *Didymozoon*.
- pellucidum* Linst., 1873, 95, t. h. *Gallus domesticus*.—1873: Dist. 1890: *Cephalogonimus*. 1892: *D. (Dicrocœlium)*. 1892: *Mesogonimus*. 1899: *Prymnopteron*. 1899: *Prosthogonimus*.
- pellucidum* Schlotthauber, 1860, 129, t. h. *Petromyzon fluviatilis*.—1860: Holest.
- pelophylaxis esculenti* Wedl, 1849, 197.—1849: Dist.
- pendulum* Looss, 1899b, 688, t. h. *Recurvirostra avocetta*; Egypt.—1899: Echinost.
- perceæ* Gmelin, 1790a, 3057, *perceæ cernuæ* 1776 renamed; t. h. *Perca cernua*.—1790: Fasc. [1809: Dist. *nodulosa*.]
- perceæ* Mont., 1888a, 7, 30.—1888: *Tetracotyle*.
- perceæ cernuæ* Mueller, 1776, 224, t. h. *Perca cernua*.—1776: Fasc. [1809: *D. nodulosum*.]
- perceæ fluviatilis* Moul., 1856, 230.—1856: *Tetracotyle*. [1858: *T. typica*.]
- percina* Schrank, 1790, 123, t. h. *Perca asper*, *P. vulgaris*.—1790: Fasc. [1809: *D. nodulosum*.]
- peregrinum* Braun, 1900f, 389, t. h. *Rhinolophus ferrum-equinum*.—1900: Dist. 1900: *Mesotretes* (type).
- pericardium* Crep., 1849a, 78, *D. helicis* Leidy, renamed.—1849: Dist. [1858: *Cercariaeum vagans*.]
- perlatus* Nord., 1832, 88, t. h. *Cyprinus tinca*.—1832: Dist. 1845: Dist. (*Podocotyle*). 1886: *D. (Echinost.)*. 1899: *Asymphyllodora* (type). 1903: Echinost.
- perlatus* var. *erpsinosum* Hausmann, 1896, 390, t. h. *Barbus fluviatilis*; Switzerland.—1896: Dist.
- permirtus* Braun, 1901, 943, t. h. *Hirundo rustica*; Coll. Vienna.—1901: *Plagiorchis*. 1904: Dist.
- perniciosum* Taylor, 1884, 53, see *endemicum*.—1884: Dist. [1907: *Clonorchis endemicum*.]
- perpastum* Braun, 1902b, 86, n. n. for *singularis* of Looss.—1902: *Stomylotrema* (type).
- perpusillus* Looss, 1902, 134, t. h. *Mugil chelo*.—1902: *Dicrogaster* (type).
- persicus* Braun, 1901c, 334, t. h. Persian wolf.—1901: *Cotylogonimus*. 1902: *Heterophyes*.
- personatum* Poir., 1886, 11, host unknown; Gulf of Mexico.—1885: Dist.
- perugiai* Setti, 1898, 7 pp., t. h. *Tetrapturus belone*; Spezia.—1898: Trist.
- petalosum* Lander, in Looss, 1902m, 454, t. h. *Acipenser rubicundus*.—1902: Dist. [Bunodera]. 1904: *Acrodactyla* (type). See *lintoni* and *cornuta*.

- petasatum* Deeslongchamps, 1824ee, 511, t. h. *Hæmatopus ostralegus*; Caen.—1824: Monost.
- peteromyzi fluviatilis* Dies., 1850a, 307, t. h. *Peteromyzon fluviatilis*.—1850: Diplost. 1892: Tylodelphys.
- petiolatum* Rail., 1900, 241, t. h. *Garrulus glandarius*.—1900: Dicrocoelium.
- petromyzonis fluviatilis* Dies., 1858e, 316, for *peteromyzi fluv.* (Diplost.).—1858: Tylodelphys.
- petromyzontis* Brown, 1899a, 489, t. h. *Ammocetes*; Oxford, Eng.—1899: Tetracotyle.
- phaneropsolus* Stoss., 1902, 25, t. h. *Totanus* sp.; Yeddo, Japan.—1902: *Hæmatotrephus*.
- phasiani galli* Dies., 1855, 64.—1855: Dist.
- philocholum* Crep., 1845, 330, t. h. *Delphinus phocæna*, in liver.—1845: Dist.
- philodryadum* West, 1896, 322, t. h. *Philodryas schottii*; England.—1896: Dist. 1900: *Opisthogonimus* (type).
- philomela* Rud., 1819a, 120, t. h. *Motacilla philomela*; C. E. V.—1819: Dist. [1850: *D. macrostomum*.]
- pharicopteri* Luehe, 1898g, 625, t. h. *Flamingo*; Berberei.—1898: Echinost.
- phoxini* Linst., 1896, 378, t. h. *Phoxinus lævis*.—1896: Dist.
- phrygonæ* Linst., 1877b, 185, t. h. *Phryganca grandis*.—1877: Dist.
- phycidis* Par. & Per., 1889, 743, t. h. *Phycis blennoides*; Genova.—1889: *Dactylocotyle*. 1890: *Octobothrium*. 1890: *Dactycotyle*. 1890: *Octobothrium* (*Dactylocotyle*).
- physæ fontinalis* Dies., 1855a, 400, t. h. *Physa fontinalis*; *Regiomontii*.—1855: Dist. 1855: *Cercaræum*.
- physcon* Luehe, 1901n, 478, t. h. *Lophius piscatorius*; Trieste.—1901: *Lecithochirium*.
- physophoræ* Kælliker, 1849c, 53, t. h. *Physophora tetrasticha*; Naples.—1849: Dist. [1850: *D. geniculatum*.]
- piana* Galli Valerio, 1898d, 145, t. h. *Anas boschas*; Busto Arsizio.—1898: *Opisthorchis*. 1898: *Opisthorchis*.
- picta* Rud., 1802, 64, *F. vespertilionis* renamed; t. h. *Fledermaus* [*Vespertilio murinus*]; Greifswald.—1802: Fasc. [1809: Dist. *lima*.]
- pictum* Crep., 1837, 313, t. h. *Ciconia alba*.—1837: Dist. 1901: *Stomylotrema*.
- pigmentata* Sons., 1892, Oct. 7, 142, t. h. *Physa alexandrina*, *P. micropleura*; Cairo, Egypt.—1892: *Cerc.* [Amphist.]. [1902: *A. conicum*.]
- pilchardei* Mont., 1888a, 66, misprint for *pilchardi* (*Octocotyle*).
- pilchardi* Ben. & Hesse, 1863, 1864, 99, t. h. *Clupea pilchardus*.—1863: *Octocotyle*. 1879: *Octobothrium*. 1889: *Octoplectanum*.
- pilata* Rud., 1802, 65, t. h. *Sterna hirundo*; Greifswald.—1802: *Festuc.* 1803: Monost. 1809: *M.* (Monost.). 1819: Amphist. 1828: *Holost.* 1845: *Holost.*
- pilatum* Brand., 1888a, 59, t. h. *Sterna caspica*, *Larus glaucus*; Wien. Mus.—1888: Hemist.
- pilatum* Rud. of Bremser, 1824, pl. 8, figs. 28–29.—1824: Amphist. [1850: Hemist. *commutatum*.]
- pingue* Mehlis in Crep., 1846, 138, t. h. *Colymbus cristatus*.—1846: Monost. 1904: *Renicola* (type).
- pinguicola* Treutler, 1793, 6, t. h. *Homo*.—1793: *Hexathyridium* (type). 1800: *Polyst.* 1809: *Polyst.* (*Hexast.*). 1828: *Hexathyridium*. 1833: *Hexacotyle*. [Hexast.] [Linguatula.]
- pinguculum* Joy, 1835a, 505, for *pinguicola* (*Polyst.*).
- pini* Ben. & Hesse, 1863, 1864, 72, t. h. *Trigla pini*.—1863: *Placunella* (type). 1878: *Trist.* 1903: *Trochopus*.
- pinnarum* Wagener, 1857, 26, t. h. *Gasterosteus*.—1857: Dist.
- pinnatum* Will.-Suhm, (1873), 341.—1873: Dist.
- piriforme* Crep., 1846, 142, in *Anas fusca*, *A. glacialis*; see *pyriforme*.—1846: Dist.
- pyriforme* Sons., 1895, 184, for *pyriforme* (Amphist.).
- piccola* Odhn., 1902, 152, t. h. *Gymnarchus niloticus*.—1902: *Opisthorchis*.
- piliacium* Braun, 1901, 947, t. h. *Strepsilas interpres*.—1901: Dist.
- planci* Stoss., 1899, 5, t. h. *Ranzania truncata*; Trieste.—1899: *Podocotyle*. 1902: *Orophocotyle* (type).

- planicolle* Rud., 1819a, 682, t. h. *Pelecanus sula*; Brazil.—1819: Dist. (Echinost.). [1850: Monost. echinostomum.] [1901] 1902: Anoicost.
- planorbis carinati* Fil., 1857c, 13, t. h. *Planorbis carinatus*; Turin.—1857: Dist. 1858: Cerc. (Acanthocephala). 1858: Cercariaeum.
- planorbis cornei* Dies., 1850a, 298, based on Henle, 1835, 597, t. h. *Planorbis corneus*.—1850: Cerc. 1855: Cercariaeum.
- planorbis cornei* Linst., 1877, 187.—1877: Dist.
- planorbis cornei* (hepatis) Dies., 1858d, 281, t. h. *Planorbis corneus*.—1858: Cercariaeum.
- planorbis cornei* (ovariorum) Dies., 1858d, 281, for *planorbis cornei* 1850.—1858: Cercariaeum.
- platella* Bosc, 1802a, v. 1, 273, see *plattessæ* (Fasc.).
- plattessæ* Mueller, 1784, 114, t. h. *Pleuronectes plattessa*, int.—1784: Fasc. 1803: Dist. [1809: D. arcolatum.]
- platycephalum* Crep., 1825a, 39, t. h. *Colymbus rufogularis*; Greifswald.—1825: Amphist. 1845: Holost.
- platygaster* Leuck., 1842a, 30, t. h. *Gadus merlangus*.—1842: Octobothrium. [1845: O. merlangi.]
- platyura* Crep., 1838b, 83, includes *Axine belones*, *Heteracanthus pedatus*, *H. sagittatus*.—1838: *Axine*.
- platyura* Leidy, 1891a, 416, free in pool with *Lymnæus*; Fort Bridger, Wyo.—1891: Cerc.
- platyurum* Much., 1896, 267, t. h. *Harelda glacialis*; East Prussia.—1896: Dist. 1899: Psilost. (type).
- playfairii* Forbes & Goodsir (1839).—1839: Tetrast.
- plenus* Staff., 1904, 484, t. h. *Anarrhichas lupus*; Canada.—1904: *Derogenes*.
- pleroticum* Braun, 1899c, 631, host?; Brazil.—1899: Dist. 1901: Telorchis.
- plesiomostomum* Linst., 1883, 305, t. h. *Perdix græca*; Turkestan.—1883: Dist. 1892: D. (*Brachylaimus*). 1899: *Dicrocoelium*. [1899: *Lyperosomum*.]
- pleurolophocerca* Sons., 1892, Oct. 7, 138, t. h. *Melania tuberculata*, *Cleopatra bulimoides*; Cairo, Egypt.—1892: Cerc.
- pleuronectes* Mueller, 1773, 70, in aquis [etc.].—1773: Cerc. 1827: Phacus.
- pleuronectis maximi* Dies., 1855, 64, based on Bellingham, 1844, 428; renamed D. microcotyle. 1855: Dist.
- plicatum* Crep., 1829a, 878, t. h. *Balæna rostrata*; Rügen.—1827: Monost. 1891: *Ogmogaster* (type).
- [*plumbicum* D. Valle, (Dist.), a tunicate.]
- podomorphum* Nitzsch, 1819, 399, t. h. *Falco haliaëtus*; Halle.—1819: Holost. 1850: Hemist.
- podura* Mueller, 1773, 66, in paludosis *Lemna coopertis*.—1773: Cerc. 1815: *Furcocerca*. 1827: *Enchelys*. 1828: *Ichthydium*, type.
- poirieri* Stoss., 1895, 227 (D. gelatinosum Poir., 1885).—1895: Dist. 1895: D. (*Dicrocoelium*). 1899: Telorchis. 1902: Telorchis. 1905: T. (*Cercorchis*).
- poirieri* Giard & Billet, 1892, 615, t. h. cattle; Tonkin.—1892: *Homalogaster*.
- pollachi* Mont., 1888, 66, for *pollachii* (*Dactycotyle*).
- pollachii* Ben. & Hesse, 1863, 1864, 90, t. h. *Merlangus pollachius*.—1863: *Udonella*.
- pollachii* Ben. & Hesse, 1863; 1864, 110, t. h. *Merlangus pollachius*.—1863: *Dactycotyle* (type). 1879: *Octobothrium*. 1883: *Dactylocotyle*. 1890: O. (*Dactylocotyle*).
- polonica* Kowal., 1895g, 41, t. h. *Anas boschas fera*, *A. crecca* L.; Dublany.—1895: Bilharzia. 1898: *Schistosoma*. 1899: *Bilharziella* (type).
- polonii* Mol., 1859, 291, t. h. *Caranx trachurus*; Batavii.—1859: Dist. 1886: D. (Echinost.).
- polychroa* Tasch., 1879, 36.—1879: Planaria.
- polyclinorum* Pag., 1862, 306, t. h. *Polyclinum*; Golf von Spezia.—1862: Dist.

- polymastos* Leuck., 1880, or *Lejtenyi*, 1880, t. h. *Equus caballus*; Egypt.—1880: *Gastrodiscus*. [1896: *G. ægyptiacus*.]
- polymorpha* Rud., 1802b, 70, *F. anguillæ* Gmelin renamed; t. h. Aal.—1802: *Fasc.* 1809: *Dist.*
- polymorphum* Fil., 1837a, 337, t. h. *Planorbis submarginata*; see also *brachyura* Diesing, 1850.—1837: *Dist.*
- polymorphus* Baer, 1827b, 570, t. h. *Unio*, *Anodonta*.—1827: *Bucephalus* (type). 1855: *Bucephalus* (*Eubucephalus*, type). 1856: *Cerc.* —: *Cerc.* (*Bucephalus*).
- polyoon* Linst., 1887, 103, t. h. *Gallinula chloropus*.—1887: *Dist.*
- polyorchis* Stoss., 1889, 24, t. h. *Corvina nigra*; Triest.—1889: *Dist.* 1894: *D.* (*Polyorchis*, type). 1896: *Polyorchis*. 1896: *Pleorchis* (type).
- pomatix* Vaney & Conté, 1899, 194, t. h. *Helix pomatiæ*; Lyon.—1899: *Cerc.*
- pomatoni* Goto, 1899a, 278, t. h. *Pomatomus saltatrix*; Newport, R. I.—1899: *Microcotyle*.
- pontaliei* Stoss., 1898, 178, for *pontalliei* (*Dist.*)
- pontalliei* Cobbold, 1860a, 10, t. h. *Ardea minuta*; *D. cladocalium* Dies., renamed.—1860: *Dist.*
- porcorum* Gmelin, 1790a, 3054.—1790: *Fasc. hepatica*.
- poricola* Schlotthauber, 1860, 129, t. h. *Anas boschas*.—1860: *Ast.* (type).
- porrectum* Braun, 1899b, 714, t. h. *Saurophaga saurophaga*; New Guinea.—1899: *Dist.* [1899: *Lyperosomum*.]
- posticum* Staff., 1905, Apr. 11, 692, t. h. *Vespertilio subtilis* Say; Canada; chilost. Mehlis of Staff., 1903, 827, renamed.—1905: *Lecithodendrium*.
- poturzyensis* Kowal., 1898g, 72, t. h. *Anas boschas* dom.—1898: *Opisthorchis*. 1898: *O. simulans* var. 1898: *Campula*. 1902: *Metorchis*.
- præmorsum* Nord., 1832, 55, t. h. *Cyprinus brama*; Europe.—1832: *Monost.* 1892: *Monostomulum*.
- præteritus* Looss, 1901e, 633, t. h. *Labrax lupus*; Triest.—1901: *Acanthochasmus*.
- prenanti* St.-Remy, 1890, 41, t. h. *Raja oxyrhynchus*; Roscoff.—1890: *Onchocotyle*. 1889: *Rajonchocotyle*.
- pretiosus* Ariola, 1902, 107, t. h. *Thynnus vulgaris*.—1902: *Didymozoon*.
- prima* Ssinitzin 1905, 147; 1906, 687, t. h. *Aplexa hypnorum*, *Planorbis vortex compressa*, *Corethra*, *Ilybius*; Warschau.—1905: *Cerc.*
- primus* Staff., 1905, 691, t. h. *Eutenia sirtalis*; Canada.—1905: *Lechriorchis* (type).
- prismaticum* Zed., 1800a, xvi, 150, t. h. *Corvus frugilegus*; Europe.—1800: *Monost.* 1809: *M.* (*Monost.*). [1892: *Dist.*]
- pristiophori* Johnston, 1902, 326, t. h. *Pristiophorus cirratus* Lath.—1902: *Dist.*
- pristis* Deslongchamps, in Lamouroux, 1824, 563; 1821, 281, t. h. *Merlangus communis*; Normandy.—1824: *Dist.* 1845: *D.* (*Echinost.*). 1860: *Echinost.* 1899: *Anoiktoet.* 1899: *Stephanost.* 1901: *Stephanochasmus*.
- problematicum* Stoss., 1902, 14, includes Looss, 1899b, 660, t. h. *Totanus calidris*, *T. glottis*.—[1899: *Cyclocœlum*.] 1902: *Cyclocœlum*.
- proboscideum* Rud., 1814a, 106, *Echinorhynchus crotali*, 1808, renamed; America.—1814: *Polyst.* 1814: *Polyst.* (*Pentast.*). 1819: *Pentast.* [*Porocephalus*, type.]
- producta* Linst., 1903, 354, t. h. *Solea vulgaris*.—1903: *Epibdella*.
- productus* Staff., 1904, 485, t. h. *Hemitripterus americanus*; Canada.—1904: *Sinistroporus*.
- productus* Odhn., 1902, 24, t. h. *Nilkrokodil*; Sudan.—1902: *Acanthochasmus*.
- propinquum* Braun, 1901, 942, t. h. *Dendrocalaptes scandens*; Brazil.—1901: *Glaphyroet.*
- protus* Brand., 1891, 19, t. h. *Chelonia viridis*.—1891: *Monost.* 1892: *Notocotyle*. 1899: *Baris* (type). 1900: *Deuterobaris* (type).
- proxima* Lespés, 1857, 116, t. h. *Littorina littorea*.—1857: *Cerc.* 1858: *C.* (*Gymnocephala*).
- prussica* Mueh., 1896, 590, t. h. *Anas glacialis*.—1896: *Cyathocotyle* (type).
- psculamphistomum* Crep., 1846, 146, t. h. *Chelonia mydas*.—1846: *Monost.*

- pseudoechinatum* Olss., 1876, 21, t. h. *Larus marinus*; Scandinavia.—1876: Dist. 1892: Echinost.
- pseudofelineus* Ward, 1901, 180, "Dist. felineum" of Ward, 1895, not Rivolta, 1884, renamed, t. h. *Felis catus dom.*; Lincoln, Nebr.—1901: Opisthorchis.
- pseudostoma* Will.-Suhm, 1870, 11, t. h. *Alligator lucius*.—1870: Dist. 1886: Diplost. 1895: D. (*Brachylaemus*).
- pudens* Lint., 1900a, 269, t. h. *Paralichthys dentatus*; Woods Holl.—1900: Dist.
- pugio* Linst., 1887, 105, t. h. *Limnæa ovata*.—1887: Cerc.
- pugnax* LaValette, 1855, 19, t. h. *Paludina vivipara*.—1855: Cerc. [1855: *C. microcotyla*.]
- pulchellum* Rud., 1819a, 94, t. h. *Labrus cynædus*; Naples.—1819: Dist. 1902: *Helicometra* (type). 1903: D. (*Dicrocoelium*).
- pulcherrima* Weyenbergh, 1876, 167, t. h. *Hypostomus plecostomus*; Argentina.—1876: Amphist. 1878: Dist.
- pulicis* Linst., 1892, 333, t. h. *Gammarus pulex*.—1892: Dist.
- pulmonale* Linst., 1904, 678, t. h. *Ihalicore australis*; Australia.—1904: *Opisthotrema*.
- pulmonale* Bælz, 1883, April, 236, t. h. *Homo* [see *westermanii* Kerbert, 1878].—1883: Dist. 1889: Dist. 1890: *Mesogonimus*. 1899: *Paragonimus*.
- pulmonalis colubri natricis* Viborg, 1795, 243.—1795: Dist. [*D. naja*].
- pulmonar* La Clínica de Málaga, 1883, 308, for *pulmonale*, see *westermanii*.—1883: Dist.
- pulmonis* Kiyona, Suga, and Yamagata, 1881, teste Ijima, 1889b, 148, see *westermanii*.—1881: Dist.
- pulmonum* Bælz, 1880, Sept., 721, t. h. *Homo*, see *westermanii*.—1880: Gregarina. 1884: Dist. [1899: *Paragonimus*.]
- pulverulenta* Braun, 1901g, 946, t. h. *Anas querquedula*; Dongola.—1901: *Bilharziella*.
- pulvinatum* Braun, 1899, 630, t. h. *Flusschildkröte*; Brasil.—1899: Dist.
- pumilio* Looss, 1896, 154, t. h. *Pelecanus onocrotalus*; Egypt.—1896: Monost. 1899: *Haplorchis* (type).
- punctata* Mueller, 1774, 57, in *pratis inundatis primovere*.—1774: Fasc. 1787: *Planaria*.
- punctatum* Dies., 1850a, 329, misprint for *punctum* (Dist.).
- punctum* Zed., 1800a, 164, t. h. *Cyprinus barbus*; Europe.—1800: Dist. 1828: Fasc.
- punctum* Erc., 1881 or 1882, see Par., 1894, 164, t. h. *Bythinia tentaculata*; Bologna.—1881: Cerc.
- pungens* Linst., 1894b, 333, t. h. *Podiceps minor*; Seeburger See.—1894: Dist. (Echinost.). 1899: Echinost.
- pusilla* Braun, D. M., 1790a, 62, t. h. *Erinaceus europæus*; Europe.—1790: *Planaria*. 1790: Fasc. 1803: Dist. 1892: *Agamodist*.
- pusilla* Looss, 1896b, 229, t. h. *Vivipara unicolor* Olivier; Damanhour.—1896: Cerc.
- pusilla* Staff., 1904, 485, t. h. *Anarrhichas lupus*; Canada.—1904: *Neophasis* (type).
- pusillum* Staff., 1904, 494, t. h. *Stizostedion vitreum*; Canada.—1904: *Gasterost*.
- pusio* Eichwald. — —: *Planaria*.
- putorii* Linst., 1877, 191, t. h. *Fœtorius putorius*.—1877: Diplost.
- putorii* Mol., 1858, 131, t. h. *Mustela putorius*; Patavia.—1858: Dist. 1892: *Agamodist*.
- putorii* Gmelin, 1790a, 3053, t. h. *Mustela putorius*.—1790: Fasc. 1790: *Planaria*. 1893: Dist. [1850: *D. trigonocephalum*.]
- putrescens* Looss, 1902, 135, t. h. *Mugil auratus*.—1902: *Lecithobotrys* (type).
- pynoporus* Stoss., 1901, 92, t. h. *Sargus salviani*; Triest.—1901: *Holorchis* (type).
- pygmæa* var. *simile* Jægers., 1900c, 737, t. h.—1900: *Levinsenia*. [1902: *Spelotrema*.] [1902: Dist.]
- pygmæum* Levin., 1881a, 73, t. h. *Somateria mollissima*; Egedesminde.—1881: Dist. 1892: D. (*Brachycaulium*). 1899: *Levinsenia*. 1901: *Spelotrema* (type, Dec. 31). 1903: *Levinseniella*.
- pyramidum* Looss, 1896b, 76, t. h. *Rhinolopus hippocrepis*; Ghizeh.—1896: Dist. 1899: *Lecithodendrium*.
- pyriforme* Dies., 1838a, 189, 1839a, 236, t. h. *Tapirus americanus*; Matogrosso or Cachoeira do Bananeira, Brazil.—1839: Amphist. 1901: *Cladorchis*.

- pyriforme* Crep., 1837a, 316, t. h. Eisente, *Anas glacialis*.—1837: Dist.  
*pyriforme* Lint., 1900, 269, t. h. *Palinurichthys perciformis*; Woods Holl.—1900: Dist.  
*pyridatum* Bremser, in Rud., 1819a, 678, t. h. *Crocodilus sclerops*; Brazil.—1819: Dist.  
*pyrula* Bory de St. Vincent, 1823a, 355, in infusion de chènevis.—1823: Cerc.  
*quadrangulata* Boec., 1802a, 257.—1802: Planaria.  
*quadrangularis* Pallas, 1774, 20 in fossis; Hagæ Comitum.—1774: Fasc.  
*quadricornis* Haswell, 1887a, 284, t. h. *Astacopsis franklinii*; Tasmania.—1887: Temnocephala.  
*quintum* Staff., 1900, 403, t. h. "frog;" apparently Canada.—1900: Dist. 1905: Glyptelminis (type).  
*rachæum* Crep., 1839, 289, for rhachæum (Diplost.).  
*rachidis* Par., 1896, 2, for rhachidis.—1896: Diplost. (Tylodelphis).  
*rachieum* Fraip., 1880c, 419, for rhachæum (Diplost.).  
*rachineum* Mueller, (1842).—Diplost.  
*rachion* Cobbold, 1858b, 158, t. h. *Morrhua æglefinus*.—1858: Dist. 1886: D. (Echinost.). 1904: *Lepidapedon* (type). 1905: *Lepodora* (type).  
*rachixa* Odhn., 1905, 328, for rachion (Dist.).—1905: *Lepodora* (type).  
*radiata* Mueller, 1774, 66, in aquis sylvestribus, rara.—1774: Fasc. 1776: Planaria.  
*rachidis* Hanover, 1864a, 3, see rhachidis 1850 (Tylodelphys).  
*radiatum* Duj., 1845a, 427 t. h. *Carbo cormoranus* or *Pelecanus carbo*.—1845: Dist. (Echinost.).  
*radula* Duj., 1845a, 433, t. h. *Lymnæus palustris*; Rennes.—1845: Dist. (Echinost.).  
*ragazzi* Linst., 1903t, 354, for ragazzii (Dist.).  
*ragazzii* Setti, 1897, 8, t. h. *Squalus* sp.; Eritrea.—1897: Dist. (Polyorchis). 1899: *Syncœlium* (type).  
*rajæ* Rud., 1809a, 435, for rajæ intestinale.—1809: Dist.  
*rajæ intestinalis* Viborg, 1795, 242.—1795: Dist.  
*ralli* Rud., 1819a, 120, t. h. *Rallus aquaticus*; M. C. V.—1819: Dist. [1850: D. holostomum.]  
*ramilianum* Looss, 1896b, 36, t. h. caméléon; Ramleh.—1896: Dist. 1899: *Lepoderma* (type). 1899: *Plagiorchis*.  
*ramosum* Sons., 1895, 123, t. h. *Babuleus ibis*; Nile Delta.—1895: Echinost.  
*ranæ* Gmelin, 1790a, 3055, t. h. *Rana*, int.; Europe.—1790: Fasc. [1809: *Amphist. subclavatum*.]  
*ranæ* Frœlich, 1791, 69, t. h. *Rana temporaria*; Europe.—1791: Fasc. [1809: *Amphist. subclavatum*.] [1850: Dist. *clavigerum*.] [1894: D. *endolobum*.]  
*ranæ* Zedl., 1800a, xviii, 203, t. h. *Rana temporaria*; includes *Planaria uncinulata* 1790, from *Rana esculenta*; Europe.—1800: Polyst. (type). [1809: P. *integerimum*.]  
*ranæ* Valentin, 1843, 90 teste Dies., 1850a, 472.—*Trematodum*.  
*ranæ esculentæ* Dies., 1850a, 388, based on Valentin, 1841, 54.—1850: Dist.  
*rarium* Ben., 1858a, 1861a, 178, t. h. *Cyprinus dobula*.—1858: Dist.  
*rarus* Braun, 1901, 17, t. h. *Fulica atra*, Coll. Berlin; *Anas boschas*. 1901: *Prosthogonimus*.  
*rastellus* Olss., 1876, 16, t. h. *Rana temporaria*.—1876: Dist. [1887: D. *endolobum*.]  
*rathonisi* Simon, 1896, 182, 192, misprint for rathouisi (Dist.).  
*rathonisi* Huber, 1894, 2, misprint for rathouisi (Dist.).  
*rathouisi* Poir., 1887, 203, t. h. *Homo*; Asia.—1887: Dist. 1892: D. (*Dicrocoelium*). 1903: *Fasciolopsis*.  
*rathouisi* Braun, 1892a, 568, for rathouisi (Dist.).  
*raynerianum* Nardo, 1827, 68, t. h. *Luvarus imperialis*; Venice.—1827: Dist. 1886: D. (*Apoblema*). 1901: *Accacœlium*.  
*receptaculum* Cobbold, 1860a, 29, t. h. *Labrax lupus*.—1860: Dist.  
*recurvatum* Linst., 1873, 105, t. h. *Anas marila*.—1873: Dist. 1892: Echinost.  
*recurvum* Duj., 1845a, 410, t. h. *Mus sylvaticus*; Rennes.—1845: Dist. (*Brachylaimus*)  
*relectum* Nicoll, 1906, 515, t. h. *Gasterosteus aculeatus*; Scotland.—1906: *Pailost.* [1907: *Podocotyle atomon*.]

- reductum* Looss, 1901, 562, t. h. *Thalassochelys corticata*.—1901: *Enodiotrema*.  
*refertum* Mueh., 1898, 18, t. h. *Cypselus apus*; East Prussia.—1898: Dist. 1899: *Dicrocoelium*.  
*reficiens* Braun, 1901, 945, t. h. *Falco nitidus*.—1901: *Dicrocoelium*.  
*[reflexum: Schistosoma, a term in teratology.]*  
*reflexum* Crep., 1825a, 54, t. h. *Cyclopterus lumpus*.—1825: Dist. 1886: D. (*Dicrocoelium*). 1905: *Podocotyle*.  
*reinhardi* Linst., 1903, 208, t. h. *Astacus leptodactylus*.—1903: Dist.  
*renale* Chiaje, 1833, 13, t. h. *Homo*; Naples.—1833: *Tetrast.* (type).  
*renale* Fil., 1855b, 19, t. h. *Helix adspersa*; near Turin.—1855: Dist. 1856: *Cerc.* 1858: C. (*Gymnocephala*).  
*renicapite* Leidy, 1856, 43, t. h. *Sphargis coriacea*; America.—1856: *Monost.*  
*reniferum* Looss, 1898, 461, *unicum* Looss, not Molin, renamed.—1898: Dist. 1899: *Astia* (type). 1904: *Astiotrema* (type).  
*reniforme* Luehe, 1899, 531, for *reniferum* Looss (Dist.).  
*reniformis* Ariola, 1902, 101, t. h. *Thynnus vulgaris*; Naples.—1902: *Didymocystis* (type).  
*repandum* Rud., 1819a, 681, t. h. *Rana* sp.; Brazil.—1819: Dist.  
*resectus* Looss, 1902m, 537, t. h. *Chelone mydas*; Egyptian coast.—1902: *Cricocephalus*.  
*reticulare* Ben., 1859, 84, t. h. *Chelonia midas*.—1859: *Monost.* 1899: *Microscapha* (type). 1901: *Microscaphidium* (type).  
*reticulata* Goto, 1894a, 189, t. h. *Stromateus argenteus*; Japan.—1894: *Microcotyle*.  
*reticulatum* Looss, 1885, 427, t. h. *Wels*; Costa Rica.—1885: Dist. 1899: *Clinost.* [1888: *Mesogonimus* (type).]  
*reticulatum* Wright, 1879, 58, t. h. *Ceryle alcyon*.—1879: Dist. 1899: *Fasc.* 1892: D. (*Brachylaimus*).  
*reticulatum* Poir., 1886, 39, in *Axinurus dugesii*.—1886: Dist. [1899: *Clinost. marginatum*.]  
*retikulatum* Looss, 1885b, 59, for *reticulatum* (Dist.).  
*retroconstrictum* Srámek, 1901, 95, 108, fig. 62, t. h. *Abramis brama*.—1902: Dist.  
*retroflexum* Mol., 1859, 290, t. h. *Belone acus*; Batavii.—1859: Dist. 1898: *Podocotyle*. 1886: D. (*Podocotyle*).  
*retusum* Duj., 1845a, 405, t. h. *Rana temporaria*; Rennes.—1845: Dist. (*Brachycœlium*). 1886: D. (*Dicrocoelium*).  
*revoluta* Frœlich, 1802, 58, t. h. *Anas boschas*; Europe.—1802: *Fasc.* 1899: *Echinost.*  
*rhachium* Henle, 1833a, 19, t. h. *Rana*.—1833: *Diplost.* 1892: *Tylodelphys*.  
*rhachidis* Dies., 1850a, 305, *rhachium* 1833, renamed.—1850: *Tylodelphys*. 1896: *Diplost.* (*Tylodelphis*).  
*rhatonisii* Simon, 1897, 223, misprint for *rathousii* (Dist.).  
*rhizophysæ* Mont., 1888a, 199, for *rhizophysæ* (Dist.).  
*rhizophysæ* Studer, 1878, 12, t. h. *Rhizophysa conifera*.—1878: Dist.  
*[rhodopyge* Sluiter, 1898 (Dist.), a tunicate.]  
*rhombi* Ben., 1870, 72, t. h. *Rhombus maximus*.—1870: Dist.  
*rhombi* Ben. & Hesse, 1863, 1864, 73, t. h. *Rhombus maximus*.—1863: *Placunella*. 1878: *Trist.* 1903: *Trachopus*.  
*rhombi lævis* Dies., 1858e, 328, t. h. *Rhombus lævis*; Europe. 1855: *Monost.* 1892: *Monostomulum*.  
*ropaloides* Crep., 1839, 294, for *ropaloides* 1836, q. v.—1839: *Amphist.*  
*richiardi* see *richiardi* (Dist.).—1902: *Probolitrema* (type).  
*richardii* Brand., 1891b, 267, for *richiardi* (Dist.).  
*richiardi* Mont., 1891, 500, for *richiardi*.—1891: Dist. (*Polyorchis*).  
*richiardi* Lopez, 1888a, 137, t. h. *Acanthias vulgaris*.—1888: Dist. 1900: *Anaporrhutum*. 1902: *Probolitrema* (type).  
*richiardi* Sons., 1890, 172, t. h. *Pagrus orphus*.—1890: *Anoplodiscus* (type).  
*rigens* Linst., 1878a, 282, for *ligula* 1871 (Dist.).  
*rigonocerca* Braun, 1892a, 809,? for *trigonocerca*.—1892: *Cerc.*  
*ringens* Rud., 1819a, 101, t. h. *Picus tridactylus*; Vien. Mus.—1819: Dist. [1850: D. *macrostomum*.]

- ringens* Linst., 1878a, 360, for *ligula* 1871 (Dist.), t. h. *Scymnodon ringens*.
- ringens* Lint., 1905, 327, t. h. *Micropogon undulatus*, *Trachinotus carolinus*; Beaufort, N. C.—1905: *Aspidogaster*.
- ringeri* Cobbold, 1880, Aug., 139, t. h. *Homo*.—1880: Dist. 1890: *Mesogonimus*. 1897: *Distomi*. [See *westermanii*.]
- ringerii* for *ringeri* (Dist.).
- ringers* Rev. Sci., 1890, v. 46, 189, 190, for *ringeri* (Dist.).
- robustum* Lorenz, 1881, 583, t. h. *Elephas africanus*.—1881: Dist. 1892: D. (*Brachylaimus*).
- robustum* Stoss., 1902, 18, t. h. *Fuligula cristata*.—1902: *Cyclocœlum*.
- robustus* Looss, 1901l, 621, t. h. *Chelone mydas*; Egyptian coast.—1901: (*Charaxicephalus* (type)).
- rochebruni* Poir., 1886, 36, t. h. *Delphinus delphis*.—1886: Dist. 1892: *Cladocœlum*. 1899: *Brachycladium*.
- rochebrunni* Braun, 1892a, 673, for *rochebruni* (Dist.).
- rombi-lævis* Mont., 1892, 717, for *rhombi-lævis* (Monost.).
- ropaloides* Leblond, 1836e, 290, t. h. *Muraena conger*; coast of Normandy.—1836: Amphist. [1850: *Tetrabothriohynchus migratorius*.]
- rosaceum* Nord., 1832, 82, t. h. *Gadus lota*.—1832: Dist. 1856: D. [*tereticolle*].
- rosarium* Cobbold, 1860a, 21, misprint for *rosaceum* (Dist.).
- rosea* Mueller, 1774, 58, in *sinu Drœbachiensis*.—1774: Fasc. 1787: Plan. 1892: *Amphiporus*.
- rosea* Ben., 1870, 1871a, 90, t. h. *Petromyzon omalii*; Belgium.—1870: Dist.
- rosittensis* Mueh., 1898, 16, t. h. *Turdus pilaris*; East Prussia.—1898: *Urogonimus* 1899: *Urotocus* (type).
- [*rostellatum* Dies., 1850a, 603.—1850: *Octobothrium*, cestode.]
- rostrata* Mueller, 1774, 65, in *paludosis*, primo vere annorum.—1774: Fasc. 1776: Plan.
- rostrata* Erc., 1881, see Par., 1894, 190, ? t. h. *Bythinia tentaculata*; Bologna.—1881: Cerc.
- rostroaculeata* Erc., 1881, see Par., 1894, 164, ? t. h. *Bythinia tentaculata*; Bologna.—1881: Cerc. [1894: *C. nodulosa*.]
- rotundatum* Linst., 1877, 187, t. h. *Lanius collurio*.—1877: Holost.
- rotundum* Goto, 1894a, 245, t. h. *Xiphias gladius*; Japan.—1894: Trist.
- rubellum* Ols., 1868, 40, t. h. *Labrus maculatus*.—1868: Dist. 1886: D. (*Brachycœlum*). 1899: *Lecithodendrium*. 1902: *Zoogonus*.
- rubens* Duj., 1845a, 411, t. h. *Sorex fodiens*, *S. tetragonurus*; Rennes.—1845: Dist. (*Brachylaimus*).
- ruber* Luehe, 1900, 507, t. h. *Trigla lineata*.—1900: *Derogenes* (type).
- ruber* see also *rubrum* (*Cricocephalus*).
- rubra* Mueller, 1774, 59, *Fucorum frequens*.—1774: Fasc. 1776: Plan.
- rubrum* Kuhl & van Hasselt, 1822a, 1824a, 311, t. h. *Chelonia midas*; Îles des Coco-tiers.—1824: Monost. 1902: *Cricocephalus*.
- [*rubrum* Savigny (Dist.), a tunicate.]
- rude* Dies., 1850a, 360, t. h. *Lutra brasiliensis*; Brazil.—1850: Dist. [1899: *Paragonimus*.] 1900: *Paragonimus*.
- rudectum* Braun, 1901, 946, t. h. *Ibis cœrulescens*; Brazil.—1901: *Lyperosomum*.
- rudolphianum* Dies., 1850a, 429, t. h. *Orthagoriscus mola*; new name for *T. coccineum* of Rud., *Phylline coccinea* Schweigger, *Capsala sanguinea* Blainville, *T. mola* Bl.—1850: Trist. 1865: *Capsala*.
- rufoviride* Rud., 1819a, 110, t. h. *Muraena conger*; Naples.—1819: Dist. 1845: D. (*Apoblema*). 1899: *Hemiurus*. 1889: *Apoblema*. 1901: *Lecithochirium* (type).
- rugosus* Odhn., 1902, 32, t. h. *Coluber pullatus*.—1902: *Cotylotretus* (type).
- rutilans* Boesc, 1802a, 258.—1802: Plan.
- saccata* Goetze, 1782a, 221, based on Sack-Egel of Merrem, 1781, 169, pl. 1, figs. 3–7.—1781: Fasc. [1803: *Cysticercus tæniæformis*.]
- sacidiornicola* Stoss., 1902, 34, for *sarcidiornicola* (Monost.).



- saginat* Ratz., 1898, 73, t. h. *Ardea alba*; Europe.—1898: Dist. 1903: *Pegosomum* (type).
- sagittata* Lespés, 1857, 114, t. h. *Nassa reticulata*; Arcachon.—1857: Cerc. [C. (Gymnocephala).]
- sagitta* Looss, 1899b, 668, t. h. *Chelonia mydas*; Egypt.—1899: *Microscapha*. 1901: *Microscaphidium*. 1902: *Octangium* (type).
- sagitta* Pag., 1862, 297, for *sagittata* (Cerc.).
- sagittalis* Vaney & Conté, 1899, 196, C. *sagittifera* Sieb., 1854, renamed, t. h. *Helix pomatia*.—1899: Cerc.
- sagittata* Dies., 1858d, 249, for *sagittata* 1857.—1858: Cerc. (Gymnocephala).
- sagittatum* Leuck., 1842, 49, t. h. *Salmo fario*.—1842: *Octobothrium*. 1850: *Discocotyle* (type). 1858: *Placoptectanum* (type).
- sagittatus* Dies., 1836, 313, t. h. *Esox belone*; Europe.—1836: *Heteracanthus*. [1850: *Axine bellones*.]
- sagittifera* Sieb., 1854, 18, t. h. *Helix pomatia*.—1854: Cerc. [1858: *Cercariaeum helicis pomatiae*.]
- salamandra* Frœlich, 1789, 119, t. h. *Salamandra atra*.—1789: Fasc. 1803: Dist. [1809: D. *crassicolle*.]
- salamandrinæ perspicillatæ* Sons., 1896, 1; 1896, 116.—1896: Dist.
- salebrosum* Braun, 1901g, 946, t. h. *Cypselus melba*; Coll. Vien.—1901: *Lyperosomum*.
- salmonis* Mueller, 1780 of Gœze, 1782a, 173.—Fasc. [1901: ? *Hemiurus crenatus* (Rud.) Luehe.]
- salmonis lavareti* Linst., 1878a, 266.—*Trematodum*.
- salpæ* Par. & Perugia, 1890, 207, t. h. *Box salpa*; Genova.—1890: *Microcotyle*.
- sanguicola* delle Chiaje, 1833, 14, *venarum* renamed, t. h. *Homo*.—1833: Polyst.
- sanguinea* Blainv., see Dies., 1850a, 429.—*Capsala*. [1850: *Trist. rudolphianum*.]
- sanguineum* delle Chiaje, 1837b, 245, t. h. *Homo*.—1837: Polyst.
- sanguineum* Sons., 1894, 111, t. h. *Camæleo vulgaris*; Gabes in Tunisia.—1894: Dist. 1895: D. (*Brachylaimus*). 1899: *Anchitrema* (type).
- sarcidiornicola* Mégnin, 1890c, 87, t. h. *Sarcidiornis melanota*; Madagascar.—1890: Monost. 1902: *Typhlocœlum*.
- sargi* and *sargii* Par. & Per., 1890, 4, t. h. *Sargus rondeletii*; Genova.—1890: *Microcotyle*.
- sauromates* Poir., 1886, 24, t. h. *Elaphis sauromates*.—1886: Dist. 1895: D. (*Dicrocœlium*). 1904: *Plagiorchis*.
- sauromatis* Braun, 1893a, 876, for *sauromates* (Dist.).
- sawakinensis* Looss, 1899b, 672, t. h. *Larus* sp.; Sawakin, Egypt.—1899: *Stictodora* (type).
- scaber* Rud., 1819a, of Odn., 1905, 353.—1905: Dist. [1905: *Stephanochasmus*.]
- scabra* Mueller, 1788, 31, t. h. *Gadus barbatus*. 1788: Fasc. 1803: Dist. 1889: *Apo blema*. 1899: D. (*Hemiurus*) *scabrum*.
- scabridum* Braun, 1900, 390, t. h. *Noctilio macropus*, *Molossus*, *Phyllostoma*; Brazil.—1900: *Urotrema* (type).
- scabrum* of Rud., 1819a, 424.—1819: Dist. (*Echinost.*). 1860: *Echinost.* 1899: *Anoikst.* [1899: *Stephanost.*] [1905: *Stephanochasmus*.]
- schistocotyle* Fischder., 1901, 373, t. h. *Dicotyles torquatus*; Brazil.—1901: *Cladorchis* (*Taxorchis*, type).
- schistolotyle* Fischder., 1903f, 607, for *schistocotyle* (*Cladorchis*).
- schlosseri* Graff, 1904, 457, t. h. *Botryllus schlosseri*.—1904: Plan.
- sciænæ* Ben. & Hesse, 1863, 123, t. h. *Sciæna aquila*.—1863: *Diplectanum*.
- sciænæ* P. J. Ben., 1856, 502, t. h. *Sciæna aquila*.—1856: *Epibdella*. 1891: *Phylline*. 1903: E. (*Benedenia*). [1878: *Trist.*] [1858: *Benedenia elegans*, type.]
- sciænæ* Goto, 1894a, 194, t. h. *Sciæna scina*; Japan.—1894: *Microcotyle*.
- sciænæ* Ben. & Hesse, 1863, 1864, 93, t. h. *Sciæna aquila*.—1863: *Udonella*.
- scianæ* Tasch., 1878, 568, for *sciænæ* Ben., 1856.—1878: *Trist.*
- scinna* Risso, 1826, 262, t. h. *Echinorhinus spinosus*.—1826: Dist. [1850: D. *insigne*.]
- scianæ* Ben. & Hesse, 1864, 123, for *sciænæ* (*Diplectanum*).
- scianæ* Ben. & Hesse, 1864, 69, for *sciænæ* (*Epibdella*).

- xleroporum* Crep., 1844a, 112, t. h. *Chelonia mydas*; Vratislaviae.—1844: Amphist.
- scoliocolium* Fischder., 1904, 459, t. h. *Buffelus indicus* in Cochinchina and Annam; *Bos taurus* in Annam.—1904: Paramphist.
- scomberi* Kuhn., 1829b, 361, t. h. *Scomber scomber*.—1829: Octost. 1832: Octobothrium. 1864: Octocotyle.
- scomberi* Tasch., 1879, 612, t. h. *Scomber colias*; Naples.—1879: Didymozoon.
- scomberi* of Grube, 1855a, 137, t. h. *Scomber scombrus*.—1855: Octobothrium. 1855: Tetracotyle. [1858: *Grubea cochlear*, type.] 1859: *Pleurocotyle* (type). [1859: *Pleurocotylus*, type.] 1864: *Grubea*.
- scomberi pelamidis* Tilesius in Rud., 1809a, 437.—1809: Fasc. [1809: *Dist. clavatum*.]
- scombrinum* Linst., 1889, 80, for *sobrinum* (Dist.).
- scorpenæ* Rud., 1819a, 122, t. h. *Scorpena scrofa*; C. E. V. —1819: Dist. 1886: D. (*Dicrocolium*). 1899: *Dicrocelium*. [1899: *Creadinae*.]
- scorpii* Mueller, 1776, 223, t. h. *Cottus scorpius*.—1776: Fasc. 1803: Dist. [1850: D. *granulum*.]
- scymna* Villot, 1878, 3, for *scimna* (Dist.).
- scymni* Mont., 1893, 52, for *scimna* (Dist.).
- scymni ainosi* Dies., 1858e, 371, t. h. *Scymnus ainosi*.—[1857: *Polyst. sp.*] 1858: *Polyst.* 1858: *Onchocotyle*.
- syphocephalum* Braun, 1899, 630, t. h. *Testudo matemata*; Brazil. 1899: Dist. 1901: *Acanthochasmus*.
- sebastis* Goto, 1894a, 187, t. h. *Sebastes* sp.; Japan. 1894: *Microcotyle*.
- secunda* Ssinitzin, 1905, 153; 1906, 687, t. h. *Corethra*, *Ephemera*; Warschau.—1905: *Cere*.
- secundum* Nicoll, 1906, 514, t. h. *Haematopus ostralegus*, *Larus argentatus*, L. *ridibundus*.—1906: *Echinost.*
- secundus* Looss, 1907, 134, t. h. *mule*; Assam.—1907: *Gastrodiscus*.
- segmentatum* Mueller, 1894, July, 113.—1894: Dist. (*Echinost.*).
- semiaratum* Mol., 1858, 131, t. h. *Acipenser naccari*; Patavii. 1858: Dist. 1886: D. (*Echinost.*).
- semiflavum* Linst., 1880, 50, t. h. *Petromyzon fluviatilis*.—1880: Dist.
- semifusum* Olss., 1876, 28, t. h. *Sula bassana*; Lund.—1876: *Monost.*
- semisquamosum* Braun, 1900, 228, t. h. *Vesperugo noctula*.—1900: Dist. [1907: *Parabascus*.]
- semperi* Weber, 1889.—*Temnocephala*.
- semperii* Mont., 1891, 129, for *semperi* (*Temnocephala*).
- sepiolæ* delle Chiaje, —.—: *Monost.*
- seriale* Rud., 1808a, 351; 1809a, 368, t. h. *Salmo alpinus*; Greenland.—1808: Dist.
- serialis* Looss, 1901, 620, t. h. *Thalassochelys corticata*; Alexandria, from Egyptian coast.—1901: *Adenogaster* (type).
- serotinus* Staff., 1904, 493, t. h. *Moxostoma macrolepidotum* Le S.; Canada.—1904: *Plagioporus* (type).
- serpens* Nitzsch, in Rud., 1819a, 88, t. h. *Falco haliætos*; Halle. —1819: Amphist. 1819: *Holost.*
- serpentatum* Mol., 1859, 830, t. h. *Sayris camperi*; Batavii.—1859: Dist. 1896: D. (*Brachylaimus*).
- serpentinum* Carus, 1884, 131, for *serpentatum* (Dist.).
- serrani* Mont., 1889, 322, t. h. *Serranus fimbriatus*, at Madeira, and *S. gigas* at Naples.—1889: *Didymozoon*.
- serrata* Frölich, 1789, 148 [an *Arachnoid*], t. h. *hares*.—1789: *Linguatula* (type). 1800: *Polyst.* 1809: *Polyst.* (*Pentast.*). 1819: *Pentast.*
- serrata* Looss, 1899b, 592, t. h. *Varanus niloticus*; Zool. Inst. Leipzig.—1899: *Styphlodora* (type).
- serratum* Dies., 1850a, 385, t. h. *Aranus scolopaceus*; Brazil.—1850: Dist. 1860: *Echinost.*
- serrulata* Mueller, 1776.—Fasc. [1901: ? *Hemiurus crenatus*.]
- sessilis* Odhn., 1902, 27, t. h. *Nilkrokodil*.—1902: *Nephrocephalus* (type).
- sessilis* Goto, 1894a, 212, t. h. *Chorops japonicus*; Mitsugahama (Prov. Iyo, Japan).—1894: *Diclidophora*. 1895: *Cyclobothrium* (type).

- setifera* O. F. Mueller, 1786, 127, in aqua marina raro.—1786: Cerc. [1827: Trichoda.]
- setifera* Moul., 1856a, 214 and Dies. 1858d, 250 based on J. Mueller, 1850, 497, free in water; Marseille or Triest.—1856: Cerc. 1858: C. (Gymnocephala).
- setifera* Mueller of Villot, 1879 (Cerc.), in Scrobicularia tenuis. See villoti (Cerc.).
- setigera* Giard, 1897c, 955, for setifera, 1850.—1897: Cerc.
- setosicauda* Dadai, 1888f, 84.—1888: Histrionella.
- setosicaudata* Mont., 1888, 77, for setosicauda (Histrionella).
- settenii* Numan, 1840, 358, t. h. Equus caballus.—1840: Monost. 1850: Pentast. [1891: Oestrid larva.] 1892: Monostomulum.
- sialidis* Linst., 1892, 334, t. h. Sialis lutaria.—1892: Dist.
- siamense* Poir., 1886, 327, t. h. Crocodilus siamensis.—1886: Diplost.
- sibiricum* Winnogradow, 1892, 116, t. h. Homo; Siberia.—1892: Dist. [Opisthorchis felineus.]
- siemensii* Buettel-Reepen, 1900, 589, t. h. Sphyrrena barracuda; Atlantic.—1900: Dist.
- [*sigmoidea* (Nitzschia), a diatom.]
- sigmoideus* Looss, 1899b, 608, t. h. Passer dom. at Alexandria, Caprimulgus europæus, at Cairo.—1899: Phaneropsolus (type).
- signatum* Duj., 1845a, 415, t. h. Coluber natrix; Rennes.—1845: Dist. (Brachylaimus).
- signatum* Duj., of Erc., 1881e, 73, in Tropicodonotus natrix.—1881: Dist. 1899: Telorchis. [1893: D. ercolanii.]
- siluri* Wagener, 1857, see Braun, 1890a, 544.—Dactylogyrus.
- siluri glanidis* Wagener, 1857, see Dies., 1858e, 379.—Dactylogyrus.
- simile* Sons., 1890, 105, t. h. Python molurus.—1890: Dist.
- simile* Jægers., 1900, 737, see pygmæa similis.—[1900: Levinsenia pygmæa var.] 1902: Spelotrema.
- simile* Looss, 1899b, 601, see similigenus.—1899: Dist. 1899: Hæmatolæchus. 1902: Pneumonæces.
- similigenus* Stiles & Hass., 1902d, 20, for simile (Dist.) Looss, (Hæmatolæchus).
- simulplexus* Staff., 1902, 901, t. h. American frogs and toads.—1902: Hæmatolæchus. 1905: Pneumonæces.
- similis* Stoss., 1902, 24, t. h. Himantopus atropterus; Egypt.—1902: Hæmatotrephus.
- similimum* Much., 1898, 18, t. h. Fuligula nyroca.—1898: Dist. 1899: Psilost.
- simplex* Odhn., 1900, 62, t. h. Pleuronectes limanda; Kristineberg, Sweden.—1900: Aporocotyle (type).
- simplex* Rud., 1809a, 370 (æglefini Mueller, 1776, renamed), t. h. Gadus æglefinus.—1809: Dist. 1886: D. (Dicrocoelium). 1904: Sinistroporus (type).
- simplex* Polonio, 1859, teste Par., 1894, 147, t. h. Lacerta muralis; Padua.—1859: Dist.
- simplex* Looss, 1899b, 606, 607, D. cygnoides var. B. of Bensley, 1892, renamed.—1899: Gorgodera. 1902: Gorgoderina (type).
- simplex* Johnston, 1904, 112, t. h. Ardea novæ hollandiæ Lath.—1904: Holost.
- simplissima* Curtis, 1900a, 447.—1900: Planaria.
- simulans* Looss, 1896b, 52, t. h. Pernis apivorus; Alexandria, Egypt.—1896: Dist. 1898: Opisthorchis.
- simulans poturzyensis* Kowal., 1898g, 71 or 1898h, 135, t. h. Anas boschas dom.—1898: Opisthorchis. 1898: Campula.
- sinense* Cobbold, 1875i, 423, t. h. Homo; China.—1875: Dist. 1895: Opisthorchis. 1896: Dicrocoelium. 1907: Clonorchis (type).
- sinese* Mosler & Peiper, 1894, 177 for sinense (Dist.).
- sinese* MacConnell, 1876, 343, misprint for sinense (Dist.).
- singulare* Mol., 1859, 288, t. h. Ibis falcinellus; Patavii.—1859: Dist. 1899: of Looss, Stomylus (type). 1892: D. (Dicrocoelium). [1900: of Looss, Stomylotrema, type.]
- singulare* Keferstein, 1862a, 131, t. h. Capitella rubicunda; St. Vaast.—1862: Loxosoma (type).
- singularis* Stoss., 1902, 29, t. h. Gallinula pusilla; loc. not given.—1902: Ophthalmophagus.

- singularis* Mol. of Loos, 1899b, renamed *perpastum* Braun.—1899: *Stomylus* (type). [1900: *Stomylotrema*, type.]
- sinuatum* Goto, 1894a, 239, t. h. *Histiophorus* sp.; Japan.—1894: *Trist.*
- sinuatum* Rud., 1819a, 97, t. h. *Ophidium imberbe*; Naples.—1819: *Dist.* 1901: *Allocreadium*. 1902: *Helicometra*.
- sinuatum* Mont., 1899, 109, misprint for *sinuatuum* 1894 (*Trist.*).
- siredon* Poir., 1886, 32, t. h. *Siredon mexicanus*, int.—1886: *Dist.* 1899: *Opisthioglyphe*.
- sirenis* Braun, 1893a, 870, for *sirenis lacertinae* (*Dist.*).
- sirenis lacertinae* Vaillant, 1863, 348, t. h. *Siren lacertina*.—1863: *Dist.*
- sluiteri* Brock, 1886, 543, t. h. *Diacope metallicus*; Java.—1886: *Eurycaelum* (type). 1892: *Dist.* 1892: *Apoblema*. 1899: *Hemiurus*.
- smaris* Iijima, in Goto, 1894a, 207, t. h. *Smaris vulgaris* (on caudal segment of a *Cymothoa*); Gulf of Naples.—1894: *Octobothrium*. 1894: *Diclidophora*.
- sobrinum* Levin., 1881a, 70, t. h. *Cottus scorpius*; Egedesminde.—1881: *Dist.* 1886: *D.* (*Echinost.*). 1899: *Stephanost.* 1899: *Anoiktost.* 1904: *Stephanochasmus*.
- soccus* Mol., 1858, 129, t. h. *Mustelus plebejus*; Patavii.—1858: *Dist.* 1886: *D.* (*Brachylaimus*). [1899: *D. megastomum*.]
- sociale* Luehe, 1901, 171, t. h. *Bufo melanostictus* Schneider; India.—1901: *Dist.*
- solea* Ben. & Hesse, 1863; 1864, 70, t. h. *Solea vulgaris*.—1863: *Phyllonella* (type). 1890: *Epibdella*. 1903: *Phylline*. 1879: *Trist.* (*Phyllonella*). 1878: *Trist.*
- solea* Duj., 1845a, 417, t. h. *Pleuronectes solea*; Rennes.—1845: *Dist.* (*Brachylaimus*).
- soleaforme* Rud., 1809a, 384, t. h. *Trigla gurnardus*; for *D. triglae gurnardi*.—1809: *Dist.* 1828: *Fasc.*
- soleare* Braun, 1899e, 629, t. h. *Testudo midas*.—1899: *Dist.* 1901: *Cymatocarpus*.
- solidus* Loos, 1901b, 619, t. h. *Chelone mydas*; Egypt.—1901: *Glyphicephalus* (type).
- solitaria* Loos, 1899b, 592, t. h. *Thalassochelys corticata*; Abukir.—1899: *Styphlodora*. 1903: *Renifer*.
- solivagus* Odhn., 1902, 29, t. h. *Clemmys caspica*.—1902: *Telorchis*.
- solaeformis* Blainv., 1828, 585, for *soleaforme* Rud., 1809a, 384.—1828: *Fasc.*
- somateriae* Levin., 1881, 71, t. h. *Somateria mollissima*; Egedesminde.—1881: *Dist.* 1892: *D.* (*Brachycoelium*). 1899: *Lecithodendrium*. 1900: *Gymnophallus*. 1902: *Levcithodendrium*. 1904: *Leucithodendrium*.
- sonsinoi* Giard, 1880a, lxviii.—Linst., 1889, 23, for *sonsinoi* 1877 (*Gastrodiscus*).—1889: *Amphist.*
- sonsinoi* Cobbold, 1877e, Apr., 233, t. h. *Equus*; Egypt.—1877: *Gastrodiscus* (type). 1877: *Aspidocotylus*. [1889: *Amphist. sonsinoi*.] [1896: *Gastrodiscus aegyptiacus*.]
- sonsinoi* Poir., 1883, 74, for *sonsinoi* (*Gastrodiscus*).
- sonsinoi* Cobbold, 1879b, 359, for *sonsinoi* (*Gastrodiscus*).
- sophix* Stoes., 1886, 44, t. h. *Pagellus mormyrus*; Trieste.—1886: *Dist.* 1886: *D.* (*Echinost.*). [1899: *Creadiinae*, ?*Creadium*.]
- sorbens* Braun, 1899g, 490, t. h. *Tantalus loculator*; Brazil.—1899: *Clinost.*
- soricis* Dies., 1858e, 354, t. h. *Sorex araneus*.—1858: *Dist.* [1855: *D.* (*Dicrocoelium*).]
- soricis* Linst., 1877, 191, t. h. *Sorex vulgaris*.—1877: *Tetracotyle*.
- soricis aranei* Dies., 1855, 64; see *soricis*.—1855: *Dist.* (*Dicrocoelium*).
- spari* Rud., 1819a, 122, t. h. *Sparus erythrinus*, *S. smaris*; C. E. V.—1819: *Dist.*
- spathaceum* Stoes., 1896, 126, for *spathaceum* (*Diplost.*).
- spathaceum* Rud., 1819a, 109, t. h. *Larus glaucus*; Mus. Vien.—1819: *Dist.* 1845: *Holost.* 1850: *Hemist.* 1876: *Diplost.* 1898: *Conchosomum*.
- spathula* Brand., 1888a, 54, t. h. *Falco palumbarius*; Vienna Museum.—1888: *Diplost.* 1888: *Hemist.*
- spathula* Crep., 1829, 50, t. h. *Falco buteo*, *F. nissus*, *F. lagopus*.—1829: *Holost.* 1850: *Hemist.* [1898: *Conchosoma*.]
- spathulæforme* Brand., 1888a, 44, t. h. *Strix otus*.—1888: *Diplost.*
- spatulatum* Leuck., 1876, 871, not *Crep.*, 1849, t. h. *Homo*; for *spatulatum* Rud., 1819.—1876: *Dist.* [*Opisthorchis sinensis*.]

- spathulatum* Rud. of Crep., 1837, 310, for *spatulatum*.—1837: Dist. 1898: Echinost. 1902: D. (Echinost.). 1902: Sodalis (type).
- spathulatum* Dies., 1859c, 426, for *spatulatum* (Monost.).
- spathulatum hepatis* Simmonds, 1901, 110, see *sinense* (Dist.).
- spatiosus* Brand., 1898a, 197, t. h. *Bos taurus*; Dschidda, Arabia.—1898: *Gastrothylax*.
- spatula* Duj., 1845a, 394, t. h. *Accentor modularis*, int.; Rennes.—1845: Dist. (*Dicrocoelium*).
- spatula* Sieb., 1835, 57, for *spathula* Crep., 1829.—1836: Holost. 1898: *Conchosomeum*.
- spatula* Odhn., 1902, 66, t. h. *Bagrus docmac*, B. bayad; Sudan.—1902: Phyllohist. 1902: *Catoptroides* (type).
- spatuliforme* Odhn., 1902, 67, t. h. *Malapterurus electricus*; Africa.—1902: Phyllohist. 1902: *Catoptroides*.
- spatulatum* Cobbold, 1879, 28, for *spathulatum* Leuck., 1876, 871; not *spatulatum* Rud., 1819.—1879: Dist. [*Clonorchis sinensis*.]
- spatulatum* Leidy, 1859, 111, t. h. a fish; America.—1859: Monost.
- spatulatum* Rud., 1819a, 109, t. h. *Ardea minuta*; Vien. Mus.—1819: Dist. 1845: Holost. 1902: Sodalis (type) *spathulatus*. 1898: Echinost. [*spathulatum*].
- speciosus* Stiles & Hass., 1896, 151, *D. longissimum corvinum*, 1894, renamed because of *D. corvinæ*, 1886; but *corvinæ* should not invalidate *corvinum*.—1896: *Opisthorchis*.
- spenceri* Haswell, 1893e, 97, t. h. *Astacopsis bicarinatus*; Australia.—1893: *Craspedella* (type).
- spermatica* Blumberg, see Chiaje, 1833, 34.— : Cerc.
- sphæricus* Klein, 1905, 68, t. h. *Rana hexadactyla*.—1905: *Pleurogenes*.
- sphærocephalum* Westrumb, 1823, 396, t. h. *Coracias jugularis*; Rio de Janeiro, Brazil.—1823: Amphist. 1850: Holost.
- sphærostomum* Schlotthauber, 1860, 130, t. h. *Corvus caryocatactes*.—1860: Dist.
- sphærule* Looss, 1896b, 81, t. h. *Rhinolophus hippocreps* Bonap.; Ghizeh.—1896: Dist. 1899: *Lecithodendrium*.
- sphærule* Rud., 1803a, 23, t. h. *Corvus cornix*; Greifswald.—1803: Amphist. 1845: Holost.
- sphyræ* Braun, 1890a, 544, for *sphyræna* (*Dactylogyrus*).
- sphyræna* Tasch., 1879, 612, t. h. *Sphyræna vulgaris*; Naples.—1879: Didymozoon.
- sphyræna* Linst., 1878, 229, t. h. *Abramis vimba*; middle Europe.—1878: *Dactylogyrus*.
- spiculator* Duj., 1845a, 424, t. h. *Mus decumanus*; Rennes.—1845: Dist. (Echinost.). 1860: Echinost.
- spiculigerum* Muehling, 1898, 18, t. h. *Fuligula nyroca*.—1898: Dist. 1899: *Psilost*.
- spinacis* Goto, 1894a, 224, t. h. *Spinax* sp.; at Odawara, Japan.—1894: *Onchocotyle*. 1899: *Squalonchocotyle*.
- spindalis* Montgomery, 1906, 147, t. h. *Bos indicus*; India.—1906: *Schistosoma*.
- spinetum* Braun, 1901, 563, t. h. *Rhynchops nigra* L.; Brazil.—1901: *Microlistrum*.
- spiniceps* Looss, 1896b, 114, t. h. *Bagrus bayad*; Cairo, Egypt.—1896: Dist. 1899: *Anoiktost*. 1899: *Acanthost*. (type). 1901: *Acanthochasmus* (type).
- spinifera* La Valette, 1855, 17, t. h. *Paludina vivipara*, *Planorbis corneus*.—1855: Cerc. 1858: C. (*Nephrocephala*).
- spiniferum* Ratz, 1903, 422, t. h. *Botaurus stellaris*; Hungary.—1903: *Pegasomum*.
- spinossissimum* Stoss., 1883, 112, t. h. *Box salpa*; Triest.—1883: Monost. 1901: *Centroderma* (type).
- spinosum* Linst., 1880, 51, t. h. *Sylvia rufa*.—1880: Dist. 1892: D. (*Dicrocoelium*). [1899: ?*D. cirratum*.]
- spinulosum* Rud., 1808a, 458; 1809a, 425, t. h. *Larus naevius*, *L. cinerarius*, *Colymbus septentrionalis*; Greifswald.—1809: Dist. (Echinost.). 1858: Echinost.
- spinulosum* Hofmann, 1899a, 184.—1899: Dist. 1899: *Harmost*.
- spinulosum* Hofmann, 1899a, 178, of *pulmonates*.—1899: *Cercariæum*. [1899: Dist. *spinulosum*.]
- spinulosum* Looss, 19011, 623, t. h. *Chelone mydas*; Alexandria, Egypt, from Egyptian coast.—1901: Amphist.

- spirale* Dies., 1850a, 325, t. h. *Hypsilophus tuberculatus*, *Podocnemis tracax*, *Chelonsidis tuberculatus*; Brazil.—1850: Monost. 1892: Dist.
- spirale* Fil., teste Par., 1896, 2, t. h. *Dentex vulgaris*.—Dist.
- squali* E. Bl., 1847, 327, t. h. *Squalus*; New Zealand.—1847: Trist. [1850: T. blanchardii.]
- squali grisei* Risso, —, 38, see Dies., 1850a, 347.—Fasc. [1850: Dist. veliporum.]
- squamata* Kerbert, 1881a, 556, for *squamula* (Dist.).
- squamatum* Linst., 1906, 174, t. h. *Dissura episcopus*; Palatupana.—1906: *Lyperosomum*.
- squamatus* Odhn., 1905, 297 (armatum Mol. of Ols.), t. h. *Cottus scorpius*; Belgium.—1905: *Proisorhynchus* (type).
- squamosum* Villot, 1878, 20, t. h. *Strepsilas interpres*.—1878: Holost. 1890: Dist.
- squamula* Rud., 1819a, 103, t. h. *Mustela putorius*; Mus. Vien.—1819: Dist. 1845: D. (*Eurysona* [type]). 1850: Monost. 1892: D. (*Dicrocœlium*). 1898: *Eurysona* (type).
- squamula* Heath, 1902, 109, t. h. *Paraliichthys californicus*.—1902: *Epibdella*. 1903: *Phylline*. 1905: E. (*Phylline*).
- squatina* Ben., 1865a, 11, t. h. *Squatina angelus*; Ostend, Belgium.—1865: *Pseudocotyle* (type).
- squillarum* Par. & Per., 1889, 76, t. h. *Bopyrus squillarum*; Trieste.—1889: *Mesocotyle* (type). 1898: *Dactylocotyle*. 1895: *Octobothrium*. [1898: *Dactylocotyle merlangi*.]
- stagnalis* Mueller, 1774, 53, in *stagnis*.—1774: Fasc. 1776: *Planaria*.
- stanleyi* Cobbold, 1879b, 357, for *stanleyi* (*Amphist.*).—1879: *Amphist. collinsii*.
- stanleyi* Cobbold, 1875n, 819, t. h. *Equus caballus*; India.—1875: *Amphist*.
- steenstrupi* Odhn., 1902, 68, t. h. *Anarrhichas minor* s. *pantherinus*; Coll. Copenhagen.—1902: *Lepidophyllum* (type).
- stenocotyle* Cohn, 1902, 880, t. h. *Herpetodryas fuscus*; South America.—1902: *Leptophyllum* (type).
- stenotomi* Goto, 1899a, 279, t. h. *Stenotomus chrysops*; Newport, R. I.—1899: *Microcotyle*.
- sternæ cantiacæ* Dies., 1858, 355, t. h. *Sterna cantiaxa*; based on LaValette and Moul., 1856, 102.—1858: Dist.
- stossichi* Mont., 1893, 87, for *stossichii* (*Apoblema*).—1899: *Hemiurus*.
- stossichi* Luehe, 1901 of Odhn., for *stossichii*.—1905: *Hemiurus*. [1905: H. lühei.]
- stossichi* Braun, 1899, 80, t. h. *Mustelus laevis*.—1899: *Calicotyle*.
- stossichianum* Mont., 1892, 12, t. h. *Box salpa*; Italy.—1892: Monost.
- stossichii* Mont., 1891, 512, t. h. (*Clupea aurita*, C. pilchardus.—1891: *Apoblema*. 1893: Dist. 1899: *Hemiurus*. 1907: *Aphanurus*, type).
- strephocœlium* Fischder., 1902a, 19, for *streptocœlium* (*Paramphist.*).
- streptocœlium* Fischder., 1901, 369, t. h. *Bos kerabau*; Ceylon.—1901: *Paramphist*.
- striata* Herbst, 1787a, 34.—1787: *Planaria*.
- striata* Par. & Perugia, 1890, 7, 21, t. h. *Lichia amia*; Trieste.—1890: *Vallisia* (type). 1890: *Octocotyle*. [*Octobothrium arcuatum*.]
- striatum* Rud., 1809a, 343, t. h. *Falco milvus*; Europe.—1809: *Amphist*. [1819: A. macrocephalum.] [1850: *Hemist. spathula*.]
- stridula* Reich, 1801, 371, t. h. *Strix stridula*.—1801: Bist. 1801: Dist. [1809: D. apiculatum.]
- strigata* Mueller, 1774, 66, in *aquis paludosis*.—1774: Fasc. 1776: *Planaria*.
- strigia* Schrank, 1788a, 16, t. h. *Weideneule*.—1788: *Festuc*. 1790: Fasc. [*Planaria*.] 1790: *Strigea*, type. [1801: *Amphist.*, type.] [1809: *Amphist. macrocephalum*, type.] [1850: Holost. variabile.]
- strigia stridula* Braun in Rud., 1809a, 347.—1809: Fasc.
- strigosum* Looss, 1899, 634, t. h. *Merops apiaster*; Marg.—1899: *Dicrocœlium*. 1899: *Lyperosomum*.
- sturionis* Rud., 1809a, 435, t. h. *Acipenser sturio*; Arimini.—1809: Dist. [—: D. hispidum.]
- sturionis* Abildg., 1794b, 55, t. h. *Stören*.—1794: *Hirudo*. —: Trist. [1850: *Nitzschia elegans*.] 1852–53: *Nitzschia*. [1878: T. elongatum.]

- stylosa* Linst., 1875, 193, t. h. *Planorbis vortex*.—1875: Cerc.
- subclavata* [Pallas, 1760, 29;] Gœze, 1782a, 178, t. h. *Rana*; Germany.—[1760: Fasc.] 1782: Planaria. 1788: Fasc. 1800: Dist. 1802: Amphist. 1836: Diplodiscus (type). [1850: Diplocotyle.]
- subclavata ore sessile* Pallas, 1760, or 1761, 271, t. h. *Rana*.—1760: Fasc.
- subclavatum* Sons., 1893, 187, for *subclavatum* (Amphist.).
- subflavum* Sons., 1892, 91, t. h. *Zamenis viridiflavus*.—1892: Dist. 1895: D. (*Brachylaimus*).
- [*subtilis* (Nitzschia), a diatom.]
- subtriquetrum* Rud., 1814a, 100, t. h. *Castor fiber*; Berlin, Germany.—1814: Amphist. 1840: Dist. 1901: Cladorchis (*Stichorchis*). 1902: *Stichorchis*.
- subtriquetrum giganteum* Kuech., 1855, 192 (?for *subtriquetrum*, *giganteum*).—1855: Amphist.
- subulata* Herbst, 1787a, 36.—1787 Planaria.
- subulo* Pag., 1857, 19, t. h. *Paludina vivipara*.—1857: Cerc. 1858: C. (*Acanthocephala*).
- suis* Stiles, 1898a, 22, musculorum suis Duncker, 1896, named binominally; t. h. *Sus scrofa* dom.; Germany.—1898: Agamodist.
- sulcatum* Linst., 1883, 309, t. h. *Perdix græca*; Turkestan.—1883: Dist. 1892: Cladocœlium.
- sulcatum* Rud., 1809a, 337, t. h. *Rana pipa*, intestine.—1809: Monost. (Monost.).
- superbum* Staff., 1904, 492, t. h. *Ameiurus nebulosus*, *Perca flavescens*; Canada.—1904: Phyllodist.
- suspensum* Braun, 1901, 948, t. h. *Corvus* sp.—1901: Dist.
- syamula*, see *squamula*.
- sygnoides* Nord., 1840, 617, for *cygnoides* (Dist.).
- sylvia* Rud., 1819a, 675, t. h. *Sylvia cyanea*; Brazil.—1819: Amphist.
- synthes* Fischder., 1901, 371, t. h. *Bos kerabau*; Ceylon.—1901: Gastrothylax.
- syrinus* Kuech., 1855, 471, misprint for *gyrinus* (Cerc.).
- tabulatum* Mueller, 1897, 21, in *Numenius arquatus*.—1897: Echinoet.
- tacapense* Sons., 1894, 111; 1894, 2, t. h. *Chamaeleo vulgaris*, *Rana esculenta*, *Bufo* sp.; Gabes in Tunis.—1894: Dist. (*Brachycœlium*). 1899: Pleurogenes. [1899: D. medians Ols.]
- tadornæ* Rud., 1819a, 89, for *anatis tadornæ*, syn. of *isostomum*.—1819: Amphist.
- taeniodea* Nord., 1840, 595, for *taenioides* (Polyst.).
- taenioides* Rud., 1809a, 441, t. h. *Canis familiaris*; France.—1809: Polyst. (Pentast.). 1819: Pentast. 1819: Prionoderma. [1824: prionoderme (type).] 1789: *Lingua-tula*, type.]
- taenioides* Mont., 1888a, 93, t. h. *Orthagoriscus mola*.—1888: Didymozoon. 1904: Nematobothrium (*Didymozoon*).
- tagax* Braun, 1901g, 896, t. h. *Hirundo versicolor*; Brazil.—1901: Stomylotrema.
- talpæ* Viborg, 1795, 242.—1795: Dist.
- talpæ cæcæ* Dies., 1850a, 472.—1850: Trematodum.
- tanagræ* Rud., 1819a, 674, t. h. *Tanagra tataoa*; Brazil.—1819: Amphist.
- tarda* Steenstrup, 1842, 75, Cerc. *armata* Siebold, renamed.—1842: Dist. [1858: *Tetracotyle typica*.]
- tardigrada* Dies., 1850a, 293, D. *duplicatum*, renamed.—1850: Rhopalocerca (type).
- tartini* Stoss., 1899, 6, t. h. *Oblata melanura*; Triest.—1899: Dist.
- taschenbergi* Par., 1894, 704, for *taschenbergii* (*Dactylocotyle*).
- taschenbergi* Par. & Per., see St. Remy, 1898, 555.—*Diclodophora*.
- taschenbergii* Par. & Perugia, 1889, 743, t. h. *Sargus rondeletii*; Genova.—1889: Choricotyle. 1890: Octobothrium. 1894: *Dactylocotyle* (*Choricotyle*).
- tasmanica* Haswell, 1900, 430, t. h. *Astacopsis tasmanicus*.—1900: Temnocephala.
- tectum* Linst., 1873, 104, t. h. *Osmerus eperlanus*.—1873: Dist. [1905: *Brachyphallus crenatus*, type.]
- tellina baltica* Dies., 1850a, 298, t. h. *Tellina baltica*; Gedani.—1850: Cerc. 1855: Cercariaeum.
- temperatus* Staff., 1905, 689, t. h. *Rana catesbiana*, *R. virescens*; Canada.—1905: Diplodiscus.

- tenax* Mueller, 1773, 69, in infusione sordium dentium intra quatrimum.—1773: Cerc. 1827: Phacus.
- tenax* Kowal., 1903, 517, t. h. *Mergus merganser*.—1903: Metorchis.
- tenere* Looss, 1898, 458, D. *tacapense* Sonsino of Looss renamed.—1898: Dist. 1898: Pleurogenes. 1899: Prosotocus. 1899: D. (Pleurogenes).
- tenerum* Looss, 1899b, 616, 622, see *tenere* (Dist.).
- tensum* Looss, 1902h, 141, t. h. *Mugil chelo*; Triest.—1902: Saccocelium.
- tentaculata* Mueller, 1774, 63, in aquis palustribus.—1774: Fasc. 1776: Planaria.
- tenue* Lint., 1898, 535, t. h. *Roccus lineatus*.—1898: Dist.
- tenue tenuissime* Lint., 1898, 536, t. h. *Morone americana*.—1898: Dist.
- tenuicollis* Rud., 1819a, 93, t. h. *Phoca barbata*.—1819: Dist. 1892: D. (Brachylaimus). 1896: Opisthorchis.
- tenuicollis* Rud., 1819a, 85, t. h. *Lampris guttatus*; Groningæ.—1819: Monost. (Monost.) [1850: Dist. affine Dies. nec Rud.].
- tenuicollis* Westrumb, 1823, 391, t. h. *Falco rufus*; [Mus. Cat. Vien.].—1823: Amphist. 1850: Holost.
- tenuicollis-felineus* Looss, 1899, 678, see *tenuicollis*.—1899: Opisthorchis.
- [*tenuis* Muenster, 1842, 99.—Hirudinella. Hirudella, a leach.]
- tenuis* Wedl, 1857, 258, t. h. *Perca fluviatilis*.—1857: Gyrodactylus. 1858: Dactylogyrus.
- tenuissime* Lint., 1898, 536, t. h. *Morone americana*.—1901: Dist. [1898: D. *tenue*.]
- terra* Goeze, 1782a, 173.—1782: Planaria.
- terra duplici poro* Goeze, 1782a, 173.—1782: Planaria.
- terra poro simplici* Goeze, 1782a, 173.—1782: Planaria.
- tereticolle lucii* Mayer, 1841, 18.—1841: Distoma.
- tereticolle rosaceum* (Nordmann, 1832) Dies., 1850a, 364.—1850: Dist.
- tereticollis* Rud., 1802, 74-75, *lucii* Mueller renamed.—1802: Fasc. 1808: Dist. 1845: Dist. (Brachylaimus). 1899: Azygia (type). 1904: Azigia.
- teretiusculum* Mont., 1893, 40, t. h. *Solea klenii*.—1893: Dist.
- tergatinum* Stoss., 1889, 28, t. h. *Oblata melanura*; Triest.—1889: Dist.
- tergatinum* Stoss., 1883, 119, t. h. *Gobius niger*, G. Jozo; Triest.—1883: Gasterost.
- teratris* Mueller, 1774, 68, in asseribus muscisque humidis.—1774: Fasc. 1776: Planaria. [Rhynchodermus.]
- teratris* Linst., 1889c, 241, t. h. *Helix lens*; Greece.—1889: Cerc.
- tericola* Linst. 1889c, 241, t. h. *Helix ? vermiculata*; Algiers.—1889: Cerc.
- testudinis* Rud., 1819a, 121, t. h. *Testudo orbicularis*; C. E. V.—1819: Dist. [1850: Monost. *delicatulum*.]
- testudinis* Braun, 1899, 630, MS. name in Vienna Coll. 1899: Monost. [1899: Dist. *scyphocephalum*.]
- testudinis myda* Braun, 1899, 629, for t. *myda* (Dist.).
- testudinis myda* Rud., 1809a, 433, for D. *intestinalis testudinis myda*.—1809: Dist.
- thya* Mont., 1892, 717.—1892: Monost.
- tetracystis* Gastaldi, 1854, 4, t. h. *Rana esculenta*.—1854: Dist. 1905: Cystagora (type).
- tetracystis ranæ esculentæ* Dies., 1855, 64; see *tetracystis*.—1855: Dist.
- tetragona* Mueller, 1774, 69, in stagno ac foveis aquæ purioris nec vulgaris. 1774: Fasc. 1776: Planaria.
- tetrodonis* Goto, 1894a, 213, t. h. *Tetrodon* sp.; Hagi, Japan. 1894: Dielidophora. 1896: Heterobothrium (type).
- tetrodonis* St. Remy, 1898, 554, for *tetrodonis* (Dielidophora) (Heterobothrium).
- texanicum* Francis, 1891c, 135, t. h. *Bos taurus*; Texas. 1891: Dist. [Fasc.] [Fasc. *magna*.]
- texanicum* Leuck., 1892b, 797, for *texanicum* (Dist.).
- thaumantiadis* Braun, 1889a, 357, for *thaumantiatis* (Cerc.).
- thaumantiadis* Pag., 1862, 298, for *thaumantiatis* (Cerc.).
- thaumantiatis* Græffe, 1860a, 49, t. h. *Thaumatias*.—1860: Cerc.
- thethidis* delle Chiaje, teste E. Bl., 1847a, 309.—Monost.



- thetidicola* Otto, 1823, 294, t. h. Thetis fimbria.—1823: Vertumnus (type). [1823: Phœnicurus varius.]
- thetycola* (delle Chiaje?), see Pag., 1862, 298.—Monost.
- thompsonii* Mueller, 1841, 147.—1841: Cyclocirra (? type).
- thunninæ* Par. & Per., 1889, 742, t. h. Thynnus thunnina; Genova.—1889: Octocotyle. 1890: Octobothrium. 1896: Hexacotyle.
- thynni* Delaroche, 1811a, 271, t. h. Scomber thynnus; Maroque.—1811: Polyst. [1815: Hexost., type.] 1828: Hexacotyla (type). 1840: Hexacotyle (type). [1850: Plagiopeltis duplicata, type]. 1890: Exacotyle. 1891: Plagiopeltis.
- thynni* Tasch., 1879, 612 (Monost. bipartitum, renamed), t. h. Thynnus vulgaris.—1879: Didymozoon, type. [1902: Didymocystis reniformis, type].
- thynni* Par. & Per., 1891, 19, [lapsus for thunninæ?].—1891: Octocotyle.
- tinæ* Modeer, 1790, 127, t. h. Cyprinus tinca.—1790: Fasc. 1809: Dist. [1809: D. globiporum]. [1850: D. perlatum.]
- tobiani* Krøyer, 1846–53a, 592, t. h. Ammodytes tobianus.—1846–53: Dist.
- todari* delle Chiaje, 1841, 139.—1841: Dist.
- todari* delle Chiaje, see Par., 1894, 168, in Ommastrephes todarus; Naples.—Monost.
- tornatum* Rud., 1819a, 684, t. h. Coryphæna equiselis, C. hippuris.—1819: Dist. 1845: D. (Apoblema). 1889: Apoblema. 1899: Hemiurus. 1901: Lecithocladium.
- torosum* Setti, 1897, 4, t. h. Squalus sp.; Massaua.—1897: Otiotrema (type). 1903: Dist.
- torpedinis* Chatin, 1874a, 11, t. h. Torpedo marmorata; Mediterranean.—1874: Amphibdella (type). 1890: Tetraonchus.
- torulosum* Rud., 1814a, 104, t. h. Silurus glanis; Greifswald.—1814: Dist.
- torva* Mueller, 1774, 62, in aquis.—1774: Fasc. 1776: Planaria.
- totari* E. Bl., 1847a, 309, for todari (Dist.).
- totari* E. Bl., 1847a, 309, for todari (Monost.).
- trachea* Montagu, 1811, 194, t. h. poultry, Gallus gallus.—1811: Fasc. 1819: Dist. [Syngamus trachealis, a nematode].
- tracheicola* Braun, 1901, 943, t. h. Anas fusca; Vienna, Austria.—1901: Orchipedium (type).
- trachini* Par. & Perugia, 1889, 744, t. h. Trachinus radiatus; Genova.—1889: Microcotyle.
- trachuri* Ben. & Hesse, 1863, 1864, 118, t. h. Caranx trachurus.—1863: Gastrocotyle (type).
- trachuri* Par. & Perugia, 1890, 11, t. h. Caranx trachurus; Genoa.—1890: Pseudaxine (type).
- translucida* Staff., 1902, 413, t. h. Bufo lentiginosus, Rana virescens; America.—1902: Gorgodera. 1905: Gorgoderina.
- transversalis* Rud., 1802, 69, t. h. Cobitis fossilis; Berlin, Germany.—1802: Fasc. 1809: Dist. 1901: Allocreadium.
- trapezium* Leidy, 1891a, 414, t. h. Pandion carolinensis.—1890: Dist.
- tremellaris* Mueller, 1774, 72, in mare Balthico, Hafniam alluente.—1774: Fasc. 1776: Planaria.
- tremoctopodis* Kælliker, 1849e, 67.—1849: Hectocotylus. [1849: ♂ of Tremoctopus.]
- triangulare* Johnston, 1904, 108, t. h. Dacelo gigas.—1904: Hemist.
- triangulare* Dies., 1850a, 351, t. h. Merops apiaster.—1850: Dist. 1899: Megacetes (type). 1901: Plagiorchis. 1900: Eumegacetes (type).
- triangulare* Dies. of Looss, see emendatus Braun.—1899: Megacetes (type). [1900: Eumegacetes, type].
- triangulare* Johnston, 1904, 108, t. h. Dacelo gigas.—1904: Hemist.
- triangularis* Goto, 1894a, 200, t. h. Acanthias schlegelii; Misaki, Japan.—1894: Axine.
- tricaudata* Schrank, 1803, 86.—1803: Cerc.
- tricolor* Stiles & Hass., 1894, 729, t. h. Lepus sylvaticus, L. americanus; Maryland.—1894: Dist.
- trifolium* Braun, 1901, 947, t. h. Ardea coicoides; Brazil.—1901: Dist.
- triganocephalum* Kampmann, 1894b, 454, misprint for trigonocephalum (Dist.).
- triglæ* Ben. & Hesse, 1863; 1864, 92, t. h. Trigla.—1863: Udonella.
- triglæ* Ben. & Hesse, 1863, 117; 1864, 117, t. h. Trigla hirundo.—1863: Axine.

- triglæ* Ben., 1870, 30, t. h. *Trigla hirundo*; Belgium.—1870: Gasterost.
- triglæ* Rud., 1819a, 122, t. h. *Trigla cuculus*; C. E. V.—1819: Dist.
- triglæ gurnardi* Rathke, 1799, 68, t. h. *Trigla gurnadus*.—1799: Dist. [D. soleæforme.]
- triglæ pini* Dies., 1855, 64, t. h. *Trigla pini*.—1855: Dist. [1858: D. homocostomum.]
- trigonocephala* Rud., 1802b, 87, F. melis Schrank, renamed, t. h. Schweinigel.—1802: Fasc. 1809: Dist. (Echinost.). [1828: type of festucaire.] 1860: Echinost.
- trigonocephalum* Rud., 1809a, 336, t. h. *Testudo mydas*; Europe.—1809: Monost. (Monost.) 1901: Pleurogonimus.
- trigonocephalum* Rud. of Loos, 1899b, 666, renamed *obliquus* 1901.—1899: Pronocephalus (type, see *obliquus*).
- trigonocerca* Dies., 1858d, 259, C. limacis Moul., t. h. *Limax cinereus*. L. (*Arion*) rufus; Geneva.—1858: Cerc. (*Acanthocephala*).
- trigonostoma* Wagener, 1857, 90, t. h. *Cyprinus rutilus*.—1857: Dactylogyrus.
- triloba* Fil., 1857c, 3, t. h. *Planorbis carinatus*, *Lymnæus stagnalis*; Turin.—1857: Cerc. 1858: C. (*Acanthocephala*).
- trilobum* Rud., 1819a, 104, t. h. *Pelecanus carbo*; Mus. Vien.—1819: Dist. 1850: Hemist.
- tringæ* Brand., 1892, 507, t. h. *Tringa variabilis*; Sinai.—1892: Monost. [1902: Cyclo-celum.] 1902: Hæmatotrepheus.
- tringæ helveticæ* Rud., 1819a, 120, t. h. *Tringa helvetica*; C. E. V.—1819: Dist. [1850: D. cinctum.]
- tripes* Bosc, 1802a, v. 3, 227, see also *tripos* (Cerc.).
- tripos* Mueller, 1776, 206, in aqua marina.—1776: Cerc. 1827: Ceratium.
- tripunctata* Erc., 1881c, 23, t. h. *Planorbis corneus*; Italy.—1881: Cerc.
- tripus* Gmelin, 1790a, 3892, for *tripos* (Cerc.).
- trierialis* Dies., 1839a, 234, t. h. *Anas anser dom. et ferus*, etc.; Europe.—1839: Notocotylus (type). 1840: Nocotylus. 1850: Notocotyle (type). 1860: Monost.
- truncatum* Perroncito, 1882, 248, for *truncatum* (Dist). [Ercolani.]
- truita* Bosc, 1802a, 274, for *truttæ* (Fasc.).
- truncata* Mueller, 1806, 35, t. h. *Perca lucioperca*.—1806: Fasc. 1814: Dist.
- truncata* Dies., 1850a, 422, *Octostoma scombri* renamed, t. h. *Scomber scombrus*; Rhedoni.—1850: Octocotyle. 1858: Octoplectanum. 1879: Octobothrium.
- truncata* Goto, 1894a, 191, t. h. *Pristipoma japonicum*; Japan.—1894: Microcotyle.
- truncata* Bosc, 1802a, 262.—1802: Planaria.
- truncata* Leidy, 1851b, in 224–227, free form; Newark, Del.—1857: Planaria.
- truncatum* Rud., 1819a, 91, t. h. *Phoca vitulina*; Europe, Berlin, Vratislavie.—1819: Amphist. 1886: Dist. 1896: Opisthorchis. 1899: Metorchis.
- truncatum* F. S. Leuck., 1842, 34, t. h. *Sorex fodiens*.—1842: Dist.
- truncatum* Erc., 1859a, 382, t. h. *Canis familiaris*; Italy.—1859: Dist. [D. truncatum (Rud.).]
- trunkatum* Schneidemuehl, 1896, 303, for *truncatum* (Amphist.).
- truttæ* Moul. of Dies., 1858, 356.—1858: Dist.
- trutta* Frœlich, 1789, 126, t. h. *Salmo trutta*; Europe.—1789: Fasc. [1809: Dist. lauratum.]
- truttæ (intestinalis)* Rœderer, 1762, 537, t. h. forelle.—1762: Fasc. [1810: Ligula noxiosa.] [1809: ?Echinorhynchus fusiformis.] [1905: Echinorhynchus.]
- tuba* Linst., 1878, 228, t. h. *Squalius leuciscus*.—1878: Dactylogyrus.
- tuba* Braun (1805), 49.—1805: Hirudo. [1809: Amphist. subclavatum.]
- tubarium* Rud., 1819a, 111, t. h. *Sciæna umbra*; Spezia.—1819: Dist.
- tuberculata* Fil., 1857c, 8, t. h. *Paludina impura*.—1857: Cerc. 1858: C. (*Gymnocephala*).
- tuberculatum* Cobbold, 1875n, 819, t. h. ox; India.—1875: Amphist.
- tubiporum* Dies., 1836a, 14, t. h. *Trigla hirundo*.—1835: Trist. 1840: Capsala. [1850: Trochopus longipes, type.] 1864: Trochopus (type).
- tubiporum* Braun, 1900, 388, t. h. *Vespertilio* sp.—1900: Dist.
- tubulatum* Rud., 1819a, 675, t. h. *Muraena* sp.; Brazil.—1819: Dist.
- tumberiana* Wacke, 1903, 1.—1903: Temnocephala.

- tumidulum* Rud., 1819a, 95, t. h. *Syngnathus hippocampus*; Vienna.—1819: Dist. 1901: Allocreadium.
- turbo* Mueller, 1786, 123, in aqua rivulari cum *Lemna rarior*.—1786: Cerc. [1827: Urocentrum, type.]
- turdi* Rud., 1819a, 120, t. h. *Turdus saxatilis*; C. E. V.—1819: Dist. [1850: D. mesostomum; D. nephrocephalum.]
- turgidum* Brand., 1888, 247, t. h. *Rana esculenta*.—1888: Dist. 1899: Brandesia (type).
- tursionis* Marchi, 1872, 304, t. h. *Delphinus tursio*, int.—1872: Dist. 1896: D. (Dicrocoelium). [D. (Dicrocoelium) longissimum Poir.]
- tynni* Crety, 1892c, 399, for *thynni* (Exacotyle).
- typica* Dies., 1858c, 366, t. h. sec p. 369; Europe.—1858: Tetracotyle (type).
- [*typus*, reptile, Bucephalus.]
- umblæ* Fabricius, 1780a, 329, t. h. *Salmo umbla*; Greenland.—1780: Fasc. 1803: Dist. [1809: D. seriale.]
- umbonatum* Odhn., 1902, 21, t. h. Krokodil; Nile.—1902: Echinost.
- umbrinae* Stoss., 1885, 159, t. h. *Umbrina cirrhosa*; Triest.—1885: Dist. 1905: Allocreadium. 1886: D. (Brachylaimus).
- unciforme* Rud., 1819a, 674, t. h. *Oriolus cristatus*; Brazil.—1819: Amphist. 1850: Holost.
- uncinata* Dies., 1850a, 412, lapsus for *uncinulata*.—1850: Fasc. [1850: Polyst. integerrimum.]
- uncinatum* Macé (1880).—1880: Polyst.
- uncinatum* Zed., 1803a, 221, t. h. *Fulica chloropus*.—1803: Dist. 1809: D. (Echinost.). 1860: Echinost. [1892: E. cinctum.]
- uncinatum* Mont., 1889, 117, t. h. ?*Pleuronectes*; Coll. Leuck.—1889: Trist.
- uncinatus* Wagener, 1857, pl. 13, fig. 2, t. h. *Perca fluviatilis*.—1857: Dactylogyrus.
- uncinulata* Braun, 1790, 58, t. h. *Rana esculenta*; Germany.—1790: Planaria. 1790: Fasc. [1800: Polyst. ranæ, type.] [1850: Polyst. integerrimum.]
- uncinulatum* Macé in Braun, 1890a, 418, for *uncinatum* (Polyst.).
- undulatus* Looss, 1899, 594, t. h. *Thalassochelys corticata*; Abukir.—1899: Cymato- carpus (type).
- unguiculatus* Mont., 1888, 90, for *unguiculatus Tetraonchus* (Dactylogyrus).
- unguiculatum* Rud., 1819a, 91, t. h. *Triton palustris*; Berlin, Germany.—1819: Amphist. 1836: Diplodiscus.
- unguiculatus* Wagener, 1857, 61.—1857: Dactylogyrus. 1858: Tetraonchus.
- unicum* Mol., 1859, 835, t. h. *Centrolophus pompilius*; Padua.—1859: Dist. 1886: D. (Podocotyle).
- unicum* Odhn., 1902, 66, t. h. *Serranus* sp.; Sinai, Red Sea.—1902: Phyllodist.
- unicum* Looss, 1896b, 44, renamed *reniferum*; t. h. *Trionyx nilotica*; Egypt.—1896: Dist. 1899: Astia (type).
- unionicola* Graff, 1904, 457, t. h. *Muscheln*.—1904: Planaria.
- upupæ* Schrank, 1790, 123, t. h. *Upupa epops*, rectum.—1790: Fasc. [1809: Dist. involutum.]
- urcatum* Luehe, 1900, 489, misprint for *furcatum* (Dist.).
- urna* Looss, 1907, 485, t. h. *Vesperugo kuhli*; Cairo, Egypt.—1907: Lecithodendrium.
- urniceps* Schlotthauber, 1860, 129, t. h. *Falco pygargus*.—1860: Holost.
- urnigerum* Rud., 1819a, 89, t. h. *Rana esculenta*; Mus. Vien.—1819: Amphist. 1845: Holost. [1850: Codonocephalus mutabilis, type.]
- urocotyle* Par., 1899, 6, t. h. *Scorpena scrofa*; Portoferraio.—1899: Pleorchis. 1905: Derogenes.
- vagans* Leidy, 1850, 304, t. h. *Helix alternata*, H. albolabris; D. helicis renamed.—1850: Dist. 1855: Cercariaeum.
- vaginatum* Brand., 1888a, 64, t. h. *Cathartes* sp.; Brazil.—1888: Holost.
- valdeinflatum* Stoss., 1883, 114, t. h. *Gobius jozo*; Triest.—1883: Dist. 1886: D. (Echinost.) 1898: Agamodist. [1899: Stephanost. cesticillus.]
- valdeinflatum* Nicoll, 1907, 69, for *valdeinflatum* (Dist.).

- validum* Linst., 1886, 124, t. h. *Delphinus* sp.; South Atlantic.—1886: Dist. 1892: D. (*Brachylaimus*).
- vallei* Stoss., 1896, 129, t. h. *Falco subbuteo*.—1896: Dist.
- vallei* Stoss., 1899, 3, t. h. *Thalassochelys caretta*; Corfu.—1899: *Aspidogaster*. [1901: *Lophotaspis adhaerens*.] 1902: *Lophotaspis*, type. 1902: *Amphist.*, probably lapsus.
- vallei* Par. & Per., 1895, 3, t. h. *Naucrates ductor*; Genova.—1895: *Placunella*. 1903: *Ancyrocotyle* (type).
- van benedeni* St. Remy, 1898, 567, for *van benedenii* (*Dactylogyrus*).
- van benedenii* Par. & Per., 1890, 96-97, t. h. *Mugil auratus*.—1890: *Tetraonchus*.
- van benedenii* Par. & Per., 1895, 2, t. h. *Mugil auratus*; Trieste.—1895: *Dactylogyrus*. See also *benedenii*.
- vanelli* Rud., 1819a, 87, t. h. *Tringa vanellus*; Mus. Vien.—1819: *Monost.* [1850: *M. mutabile*.]
- variabile* Leidy, 1856, 44, t. h. *Tropidonotus sipedon*.—1856: Dist. 1903: *Renifer*.
- variabile* Nitzsch, 1819, 400, includes *macrocephalum* Rud., t. h. owls; Germany.—1819: *Holost.* (type). 1860: *Monost.*
- varica* Mueller, 1784, 93, t. h. *Salmo salar*, stomach.—1784: Fasc. 1803: Dist. 1886: D. (*Brachylaimus*). 1899: *Hemiurus*. 1901: *Derogenes*.
- varicans* Abildg., 1794, 89, in aqua rivulari.—1794: Cerc. 1850: *Cheilost.* (type).
- variegatum* Crep., 1825a, 38, t. h. *Larus marinus*; Greifswald.—1825: *Amphist.* 1845: *Holost.*
- variegatum* Rud., 1819a, 99, t. h. *Rana esculenta*; Berlin.—1819: Dist. 1845: D. (*Brachylaimus*). 1847: *Brachylemus*. 1850: *Brachylemus*. 1899: *Hæmatolæchus* (type). 1902: *Pneumonæces* (type).
- varigatum* Looss, 1892, 93, misprint for *variegatum* (Dist.).
- variolaris* Fuhrmann, 1904, 59, t. h. *Rostrhamus sociabilis*; South America.—1904: *Bothriogaster* (type).
- [*variolosus* Gärtner (Dist.), a tunicate.]
- varioplerus* Staff., 1902, 901, t. h. *Rana catesbiana*; Canada.—1902: *Hæmatolæchus*. 1905: *Pneumonæces*.
- varium* Eysenhardt, 1829, 148, t. h. *Gadus merluccius*.—1829: Dist.
- varsovienensis* Ssinitzin, 1905, 36, t. h. frogs; Warschau.—1905: *Gorgolera*. 1906: Cerc.
- velclæ* Fil., 1843, 66, see Dies., 1850a, 379, t. h. *Velella spirans*; Naples.—1843: Dist. [1850: *D. megacotyle*.]
- velclæ* Graff, 1904, 456.—1904: Plan.
- veliporium* Johnston, 1902, 329, misprint for *veliporum* (Dist.).
- veliporum* Crep., 1837a, 310, t. h. *Squalus griseus*.—1837: Dist. 1886: D. (*Cladocœlium*). 1904: *Otodist.* (type).
- venarum* Treutler, 1793, iv, 23, t. h. *Homo*.—1793: *Hexathyridium*. 1803: Fasc. 1803: *Polyst.* 1828: *Hexathyridium*. 1836: *Polyst.* (*Hexast.*). 1850: *Hexacotyle*. [*Hexast.*] [1840: *Linguatula*.]
- ventricolum* Rud., 1809a, 334, misprint for *ventricosum* (*Monost.*).
- ventricosa* Rud., 1802, 20, t. h. *Nachtigall*; Greifswald.—1802: *Festucaria*. 1809: *Monost.* (*Monost.*).
- ventricosa* Bosc., 1802a, 257.—1802: *Planaria*.
- ventricosa* Pallas, 1774, 17, host not given; Amboyna.—1774: Fasc. 1853: *Hirudinella*. 1893: Dist.
- ventricosum* Rud., 1819a, 108, t. h. *Clupea alosa*; Arimini.—1819: Dist. 1886: D. (*Apoblema*). 1893: *Apoblema*.
- ventricosum* Stoss., 1898, 29, t. h. *Alausia finta*; Trieste.—1898: Dist. [1898: *Apoblema ocreatum* Rud.]
- ventricosum* var. *minor* Shipley, 1900, 540, t. h. *Pimblepterus* sp.; New Britain.—1900: Dist.
- vereticolle lucii* Rud., 1809a, 400, lapsus for *tereticolle lucii* (Dist.).
- vermicularis* Mueller, 1786, 133, in aqua ubi Lemna vegetat.—1786: Cerc. 1827: *Dicranophorus*.
- verrilli* Goto, 1899a, 283, t. h. a skate (*Raja*); Cape Cod.—1899: *Acanthocotyle*.

- verrucosum* Mont., 1892, 40, for *verrucosum* (Notocotyle).
- verrucosa* Frølich, 1789, 112, t. h. domesticated geese.—1789: Fasc. 1800: Monost. 1809: Monost. (Monost.). [1839: Notocotylus triserialis.] 1892: Notocotyle. 1905: Catatropis (type).
- verrucosum* Busch, 1851, 100, t. h. Ophidium barbatum.—1851: Dist. 1886: D. (Crossodera).
- verrucosum* Mol., 1859, 842, t. h. Labrax lupus; Rennes, Padua.—1859: Dist. 1886: D. (Dicrocoelium).
- verrucosum* Poir., 1885, 10, t. h. Thynnus.—1885: Dist.
- verrucosum* Lint., 1892, 96, t. h. Larus californicus.—1892: Dist.
- verrucosa* Odhn. LV, 1902, 63, for *verrucosum* (Notocotyle).
- vesicata* Uličný, 1878, 211, t. h. Cycas rivicola; Mähren.—1878: Cerc. [1894: C. macrocerca.]
- vesiculifera* Dies., 1855a, 389, C. vesiculosa Fil., renamed.—1855: Cerc. 1855: C. (Xiphidiocerc.). 1858: C. (Acanthocephala).
- vesiculosa* Dies., 1850a, 295, Cerc. I Baer, renamed; t. h. Paludina vivipara; Regiomontii.—1850: Cerc. 1855: C. (Eucerc.). 1858: C. (Acanthocephala).
- vesiculosa* of Fil., 1854a, 12, t. h. Paludina vivipara.—1854: Cerc. [1855: C. (Xiphidiocerc.) vesiculifera.]
- vespertilionis* Mueller, 1784, 95, t. h. Vespertilio auritus.—1784: Fasc. 1803: Dist. [—: Plan.] [1850: D. lima.] 1900: Plagiorchis.
- vespertilionis* Rud., 1819a, 87, t. h. Vespertilio noctula; Cat. Ent. Vienn.—1819: Monost.
- vetustum* Staff., 1904, 487, t. h. Limanda ferruginea; Woods Hole.—1904: Stenakron (type).
- verans* Braun, 1901, 947, t. h. Turdus merula.—1901: Dist.
- viber* Lint., 1900, 269, t. h. Spheroides maculatus.—1900: Dist.
- vicarium* Braun, 1901g, 896, t. h. Ibis cœrulescens; Brazil.—1901: Stomylotrema.
- vicinus* Odhn., 1902, 24, t. h. Nilkrokodil; Sudan.—1902: Acanthochasmus.
- villoti* Mont., 1888, 194, C. setifera Mueller, of Villot, 1879, renamed, in Scrobicularia tenuis.—1888: Cerc.
- vinal-edwardsii* Lint., 1901, 416, t. h. Opsanus tau, Orthopristis chrysopterus; Beaufort, N. C.—1901: Monost.
- viperæ* Linst., 1877, 186, t. h. Pelias berus.—1877: Dist. 1895: Agamodist.
- viperæ* Ben., 1870, 26, t. h. Trachinus vipera; Belgium.—1870: Gasterost.
- virgula* Fil., 1837, 338, t. h. Paludina impura, Valvata piscinalis; Ticini, Italy.—1837: Dist. 1850: Cerc. 1855: C. (Eucerc.). 1858: C. (Acanthocephala). [1858: D. maculosum.]
- viridata* Bosc., 1802a, 258.—1802: Plan.
- viridis* Mueller, 1786, 126, in aquis fossarum stagnantibus primo vere.—1786: Cerc. 1815: Furcocerca. 1827: Enchelys.
- viridis* Bosc., 1802a, 256.—1802: Plan.
- viridis* Mueller, 1774, 59, in radicibus fucorum; Greenland.—1774: Fasc.
- vitellatum* Linst., 1875, 189, t. h. Totanus hypoleucus.—1875: Dist. 1901: Plagiorchis. 1892: D. (Brachylaimus).
- vitellilobum* Olss., 1876, 14, t. h. Rana temporaria.—1876: Dist. 1889: D. (Dicrocoelium). 1902: Gorgoderina. 1906: Gorgodera. 1906: Cerc.
- vitellosum* Lint., 1900, 269, t. h. Merluccius bilinearis; Woods Holl.—1900: Dist.
- [*vitreum* Sars (Dist.). a tunicate.]
- vitrina* Linst., 1887, 105, t. h. Zebrina detrita; Frauenberg b. Sondershausen.—1887: Cerc.
- vitrinæ* Targioni Tozzetti, 1873, 335, in vitrine.—1873: Dist.
- vitta* Duj., 1845a, 418, t. h. Mus musculus; Rennes.—1845: Dist. (Brachylaimus).
- vivæ* Ben., 1870, 25, t. h. Trachinus draco; Belgium.—1870: Gasterost.
- vivax* Sons., 1892, Oct. 7, 137, t. h. Cleopatra bulimoides; Cairo, Egypt.—1892: Cerc.
- viverrini* Poir., 1886, 27, t. h. Felis viverrinus.—1886: Dist. 1892: D. (Dicrocoelium). 1896: Opisthorchis.

- vivipara* Ben., 1870, 28, t. h. Mugil chelo; Belgium.—1870: Dist.
- vivipara* Linst., 1877, 185, t. h. Paludina vivipara.—1877: Monost. 1892: Monostomulum.
- vivipara fasciata* Linst., 1877b, 186, t. h. Vivipara fasciata.—1877: Dist.
- viviparum* Olss., 1868, 28, t. h. Pleuronectes microcephalus.—1868: Dist. 1886: D. (Echinost.). 1901: Zoogonus. 1902: Zoogonoides (type).
- vogtianum* Baudon, 1881, 145, t. h. Succinea baudoni.—1881: Leucochloridium.
- volutarium* Braun, 1901, 945, t. h. Falco sp.—1901: Dicrocoelium.
- volutus* Nord., 1832, 28, t. h. Gadus lota, Perca cernua, P. fluviatilis, P. lucioperca.—1832: Diplost. (type). 1833: Dist. [1898: Hemist. spathaceum.]
- vulgaris* Cerf., 1899a, 375, t. h. Mustela vulgaris.—1899: Squalonchocotyie.
- vulpina* Abildg., 1790, 63.—1790: Dist. [Hemist. alatum.]
- vulpis* Gmelin, 1790a, 3053, t. h. Canis vulpes; Europe.—1790: Fasc. [1809: D. alatum.] [1850: Hemist. alatum.]
- vulpis* Schrank, 1788, 52, t. h. Canis vulpes; Germany; Planaria alata vel dubia Goze, 1782a, 176, pl. 14, figs. 11–13, renamed.—1788: Alaria (type).
- wachnia* Rud., 1819a, 122, 427, t. h. Gadus wachnia.—1819: Dist. 1878: Trematodum.
- watsoni* Conyngham, 1904, Aug. 13, 464; Sept. 17, 663, t. h. Homo; in Zola (Nigeria), came from Adamawa, German West Africa.—1904: Amphist. 1905: Cladorchis.
- wedli* Ariola, 1902, 105, t. h. Thynnus vulgaris; Naples.—1902: Didymocystis.
- wedli* Cobbold, 1860a, 18, t. h. Rana esculenta.—1860: Dist.
- wedlii* Cobbold, 1860a, 43, t. h. Rhombus laevis, M. rhombi laevis Wedl, renamed.—1860: Monost.
- westerni* Kerbert, 1881a, July, 529, for westermanii.—1881: Dist. 1891: Dist. 1899: Paragonimus (type). 1905: Paragonimus.
- westermanii* Kerbert, 1878a, 271, t. h. Koenigstiger.—1878: Dist. 1890: Mesogonimus. [1899: Paragonimus (type).] [1899: Polysarcus, type.] 1900: Paragonimus.
- westermanni* Leuck., 1889, 404, for westermanii Kerbert, 1878.—1889: Dist. 1890: Mesogonimus. 1891: Dist. 1898: Dist. (Mesogonimus). [1899: Paragonimus (type).] 1899: Polysarcus (type).
- westrumbii* Cobbold, 1860a, 45, Amphist. sphærocephalum Westrumb, renamed; t. h. Coracina scutata; Brazil.—1860: Holost.
- winogradoffi* Jaksch, 1897a, 219 for sibiricum, t. h. Homo.—1889: Dist.
- xanthostoma* var. *compascua* Kowal., 1898, 71, t. h. Anas querquedula.—1898: Opisthorchis.
- xanthosomum* Crep., 1846a, 138, t. h. Colymbus septentrionalis; Germany.—1846: Dist. 1898: Opisthorchis. 1902: Metorchis.
- zschokkei* Volz, 1899, 231, t. h. Heterodon platyrhinus.—1899: Dist. 1903: Renifer.
- [For addenda, see p. 385.]

## BIBLIOGRAPHY OF SUPERGENERIC, GENERIC, AND SPECIFIC NAMES USED IN TREMATODA AND OF DISEASES CAUSED BY TREMATODA.

The main portion of this index is made up of an alphabetical list of superspecific names used in connection with *Trematoda*. Under each generic or subgeneric name will be found a list of the species and subspecies which have been placed in the groups in question. The references following the technical names represent the places in literature which bear upon the technical names in question. Names of diseases caused by *Trematoda* are also inserted in this list.

In all cases possible, the type species<sup>a</sup> is mentioned for genera. In connection with the species, the hosts and locality, at least the type locality, are usually given.

- (ACANTHOCEPHALA) Dies., 1858d, 253-255 (subg. of Cerc.) [not Acanthocephala Rud., 1808, worms, order; Acanthocephali Burm., 1837, worms, order; Acanthocephalus Kœlreuter, 1771, worms, genus; Acanthocephalos Gœze, 1782, for Acanthocephalus, 1771; Acanthocephala Laporte, 1832, hemipteron, genus; Acanthocephalus for Acanthocephala 1832], C. (Xiphidiocerc.), 1855, renamed, hence same type.<sup>a</sup>
- armata* (Sieb., 1837) Dies., 1858d, 251-252 (larva of Dist. endolobum Duj. [Opisthoglyphe 1899, type]) (in Planorbis corneus, Paludina impura, Lymnæus stagnalis).
- brachyura* (Dies., 1850) Dies., 1858d, 257 (in Planorbis submarginatus; Ticini; P. nitidus, P. vortex).
- buccini mutabilis* (Fil., 1855) Dies., 1858d, 266 (in Buccinum (Nassa) mutabile; Genoa).
- chlorotica* (Dies., 1850) Dies., 1858d, 252-253 (syn. Cerc. (Eucerc.) chlorotica Dies.) (in Paludina vivipara).
- gibba* (Fil., 1854) Dies., 1858d, 257 (in Lymnæus pereger; Turin).
- linearis* (Lespès, 1857) Dies., 1858d, 258 (in Litorina litorea).
- macrocerca* (Fil., 1854) Dies., 1858d, 255 (larva of Dist. cygnoides Zed.) (in Cycas cornea; Turin); 1858e, 334 (syn. of Dist. cygnoides; [type of Gorgodera, 1899]).
- micracantha* Dies., 1858d, 259-260 (syn. Cerc. armata Fil., 1855b) (in Lymnæus palustris, Triton punctatus).
- microcotyla* (Fil., 1854) Dies., 1858d, 253 (syn. C. pugnax La Valette) (in Paludina achatina, Lombardia; P. vivipara) (larva of Dist. tetracystis [type of Cystagora 1905]); 1858e, 348 (syn. of Dist. tetracystis).
- micrura* (Fil., 1857) Dies., 1858d, 258 (in Paludina vivipara; Turin). See globiporum type of Sphaerost.
- ornata* (La Valette, 1855) Dies., 1858d, 244, 255-256 (larva of Dist. clavigerum Rud. [type of Pleurogenes, 1899]) (in Planorbis corneus, Berlin; Hydrachna concharum, Heidelberg); 1858e, 338 (syn. of Dist. clavigerum).
- pachycerca* Dies., 1858d, 257-258 (syn. Cerc. brachyura Lespès) (in Trochus cineus; Francogalliæ).

---

<sup>a</sup> See p. 385, Addenda.

## (ACANTHOCEPHALA)—Continued.

- planorbis carinati* (Fil., 1857) Dies., 1858d, 266 (in *Planorbis carinatus*; Turin).  
*subulo* (Pag., 1857) Dies., 1858d, 256-257 (in *Paludina vivipara*; Heidelberg).  
*trigonocerca* Dies., 1858d, 259 (syn. *Cerc. limacis* Moul.) (in *Limax cinereus*, L. (Arion) rufus; Geneva).  
*triloba* (Fil., 1857) Dies., 1858d, 252 (in *Lymnaeus stagnalis*, *Planorbis carinatus*).  
*vesiculifera* (Dies., 1855) Dies., 1858d, 254-255 (syns. *Cerc. vesiculosa* Fil., C. (Xiphidiocerc.) *vesiculifera* Dies., C. *microcotyla* Fil.) (in *Paludina vivipara*, P. *achatingae*).  
*vesiculosa* (Dies., 1850) Dies., 1858d, 254 (in *Paludina vivipara*; Regiomontii, Berlin, Heidelberg).  
*virgula* (Fil., 1837) Dies., 1858d, 260 (larva of *Dist. maculosum* Rud.) (in *Valvata piscinalis*, *Paludina impura*).
- ACANTHOCHASMUS LOOSS, 1900d, Dec. 3, 603, *Acanthostomum* Looss, 1899 [not *Acanthostoma* Kriechbaumer, 1895, insect] renamed, hence type *spiniceps*: *χαυδίουαι*, den Rachen offen haben; 1901e, 595, 629, 634, 659; 1901f; 1902g; 1902m, 441, 780, 808, 838.—Braun, 1901b, 34, 35, 36; 1902b, 30.—Odhner, 1902, 23, 25, 37; 1902, 159. Pratt, 1902a, 888, 894 (key).  
*absconditus* Looss, 1901e, 631-632, fig. 8 (intest. of *Bagrus bayad*, B. *docmac*).  
*coronarius* (Cobbold, 1861) Braun, 1901b, 35, 36.—Odhner, 1902, 25 (in *alligator*).  
*imbutiformis* (Mol., 1859, partim) Looss, 1901e, 632-633, 634, fig. 9 (intest. of *Labrax lupus*, *Dentex vulgaris*; Egyptian coast and Trieste).—Odhner, 1902, 25.  
*prateritus* Looss, 1901e, 633-634, fig. 10 (first half of intest. of *Labrax lupus*, *Chrysophrys aurata*, *Corvina nigra*; Trieste and Egyptian coast).  
*productus* Odhner, 1902, 24, 25 (in *Nilkrokodil*; Sudan).  
*syphocephalus* (Braun, 1899) Braun, 1901b, 35, fig. 14.—Odhner, 1902, 25.  
*spiniceps* (Looss, 1896) Looss, 1901e, May 4, 629-631, fig. 7 (intest. of *Bagrus bayad*, B. *docmac*).—Braun, 1901a, 35, 36.—Odhner, 1902, 25.  
*ricinus* Odhner, 1902, 24-25 (in *Nilkrokodil*; Sudan).
- ACANTHOCOTYLE Par. & Perugia, 1890, 11, 13, for *Acanthocotyle*.
- ACANTHOCOTYLE Mont., 1888a, 7, 10, 11, 13, 16, 20, 30, 34, 35, 36, 37, 42, 43, 52, 55, 56, 57, 58, 59, 60, 66, 67 (*Achantocotyle*), 87 (m. *lobianchi*), 97 (in "subf." *Tristomidae*; key); 1890, 189, 190, 208, figs. 1-5, pl. 8; 1891, 104, 106, 107, 111, 116; 1892, Oct. 7, 180, 213 (g. of *Tristominae*); 1899a, 75-120, pls. 1-3; 1905, 71, 72, 73, 74, 75.—Braun, 1890a, 411, 412, 488, 523, 526, 529 (diagnosis); 1891d, 422; 1893a, 889.—Gamb., 1896a, 73.—Goto, 1899a, 283.—Massa, 1906, 45, 48.—Pratt, 1900a, 646, 649 (key), 655, fig. 10, 659.—Scott, 1902, 300, 301.  
 1888: *Achantocotyle* Mont., 1888, 67, misprint.  
 1900: *Acanthocotyle* Par. & Perugia, 1890, 11, 13.  
 1902: *Acanthocotyle* Scott, 1902, 301, for *Acanthocotyle*.
- concinna* Scott, 1902, 301, no host given.
- elegans* Mont., 1890, 191, fig. 3 (on *Raja clavata*; Naples); 1899, 76, 77, 78, 79, 80, 81, 82, 85, 87, 88, 91, 93, 97, 99, 100, 101, 106, 107, 108, 110, 113-115, pl. 1, figs. 7, 8, pl. 2, figs. 13, 17, 19, 23, 25b, 28, 29, 32, pl. 3, figs. 44, 45; 1891, 107; 1899, 108; 1905, 73, 74, 75.—Braun, 1890a, 529, 547, 551.—Scott, 1902, 301.
- lobianchi* Mont., 1888a, 7, 13, 15, 16, 19, 22, 23, 26, 29, 31, 34, 56, 87 (on *Raja clavata*); 1890, 190; 1891, 102, 104 (*lobianchii*), 107, 116, 120, 130, pl. 5, figs. 9-10, pl. 6, figs. 36-39; 1893, 20; 1899, 108.—Braun, 1890a, 529, 547 (Naples), 551.
- lobianchii* Mont., 1891, 104, for *lobianchi*.
- lobianchoi* Goto, 1899a, 285, for *lobianchi*.
- lobiancoi* Mont., 1899, 75 (for *lobianchi*), 76, 77, 78, 80, 81, 83, 84, 85, 87, 89, 91, 94, 97, 100, 101, 106, 107, 108, 111-113, 116, 117, pl. 1, figs. 1, 3, 4, 5, 6, 10, pl. 2, figs. 11, 15, 16, 18, 21, 22, 25, 26, 31, 33, pl. 3, figs. 34-43, 46, 47, 49-58; 1905, 72, 73, 74.—Scott, 1902, 300.
- monticelli* Mont., 1905, 74, for *monticellii*.
- monticellii* Scott, 1902, 300-302, pl. 13, figs. 31-33 (in *Raja clavata*; Aberdeen, Scotland); 1905, 117.—Mont., 1905, 74, 75 (*monticelli*), figs. 4-5.



## ACANTHOCOTYLE—Continued.

*oligoterus* Mont., 1899, 76, 77, 78, 80, 81, 84, 85, 87, 91, 100, 101, 105, 106, 107, 108, 111, 115–117, pl. 1, figs. 2, 9, pl. 2, figs. 12, 14, 20, 24, 25c, 27, 29, pl. 3, figs. 48 (on *Raja clavata*; Naples); 1905, 73, 74, 75 (in *R. punctata*).—Goto, 1899a, 283.—Scott, 1902, 301.

*verilli* Goto, 1899a, 283–286, pl. 21, figs. 25–26 (on a skate, *Raja*; Cape Cod).—Mont., 1905, 71–75.—Pratt, 1900a, 655, fig. 10, 657, 659 (key).—Scott, 1902, 302.—Staff., 1904, May 3, 482 (on *Raja radiata* Donovan; Canada).

ACANTHOCOTYLEA Dies., 1850a, 649, subtribe of Monocotylea.

ACANTHOCOTYLINÆ Mont., 1903, 335 (subf. of Tristomidæ).

ACANTHONCHOCOTYLE Cerf., 1899a, 347, 373, 402, 420, 436, 445, 446, 451, 455 [type by inclusion *appendiculata*].—Mont., 1903, 336 (syn. of Onchocotyle).

*appendiculata* (Kuhn, 1829) Cerf., 1899a, 374, 379, 382, 461–462, pl. 19, figs. 6, 14a (in *Scyllium catulus* Cuv.; Roscoff).—Type of Onchocotyle 1850.

*canicula* Cerf., 1899a, 374, 379, 382, 402, 462, pl. 19, figs. 5, 13, 14b.c. (syn. Onchocotyle *appendiculata* Kuhn of Stoss., 1887) (in *Scyllium canicula*).

ACANTHOPSOLUS Odhn., 1905, 328–331 (m. *oculatus*).

*oculatus* (Levin., 1881) Odhn., 1905, 328–331, pl. 2, fig. 11 (in *Lycodes pallidus* in East Greenland; *Cottus scorpius*, west coast of Sweden).

ACANTHOSTOMUM Looss, 1899b, 575, 577–579 (tod. *spiniceps*), 578, [not *Acanthostoma* Kriechbaumer, 1895, insect], ἡ ἄκανθα, spine; 1900d, 603 (renamed *Acanthochasmus*); 1901e, 595.—Braun, 1901b, 34, 56; 1901i, 56.—Stiles, 1901, 189.

*coronarium* (Cobbold, 1861) Looss, 1899b, 578, 582.

*spiniceps* (Looss, 1896) Looss, 1899b, 578, 582.

ACANTHOCOTYLE Scott, 1902, 301, for *Acanthocotyle*.

ACCACÆLIUM Mont., 1893, 135 (contortum); subg. of Dist.—Raised to generic rank by Looss, 1899b, 631–632 (contortum as type); 1902, 839, 504.—Braun, 1901b, 27, 34, 37, 38.—Darr, 1902a, 698.—Luehe, 1900u, 487; 1901n, 481, 482–483, 485.—Odhn., 1905, 363.—Ofenheim, 1900, 183.—Pratt, 1902a, 889, 904 (key).

1893: Dist. (*Accacælium*) Mont., 1893, 135, q. v.

1894: *Accacælium* Zool. Record (1893) 1894, Vermes, 49.

*calyptrocotyle* (Mont., 1891) [Luehe, 1900u, 487].—To *Orophocotyle* in 1902.

*contortum* (Rud., 1819) Looss, 1899b, 632.—Darr, 1902a, 698.—Luehe, 1901n, 482, 483, 485.—Staff., 1904, 487 (Canada).

*foliatum* (Lint., 1898) Staff., 1904, 487 (*Mola mola*; Canada).

*macrocotyle* (Dies., 1858) Luehe, 1901n, 482.—Staff., 1904, 487 (*Mola mola*; Canada).

*nigroflavum* (Rud., 1819) Luehe, 1901n, 482, 483.—Looss, 1902, 639.—Staff., 1904, 487 (*Mola mola*; Canada).

[*pelagix* (Kølliker, 1849), —, 1900.]

*raynerianum* (Nardo, 1827) Luehe, 1901n, 482, 483, 485.—Par., 1902, 6 (in *Luvarus imperialis*).

ACCACÆLIUM Zool. Rec. (1893), 1894, Vermes, 49 (for *Accacælium*).

ACERCÆ Mont., 1888, 94 (group of Cerc. without tail).

ACHANTOCOTYLE Mont., 1888, 67 (for *Acanthocotyle*).

ACOTYLEA Dies., 1850a, 286, 293 (subtribe of Dicranocœla), 287, 304 (tribe of Trematoda).—Brand., 1888a, 12.—Burm., 1856a, 250.—Goldb., 1855, 15, 16.—Mol., 1861, 191.—Mont., 1888, 83, 84; 1891, 111.—Tasch., 1879, 233.

ACOTYLOCEPHALA Dies., 1858e, 314, 374 (f. of Trematoda plectanophora).—Ben. & Hesse, 1864a, 119 (syn. of Gyrodactylidés).—Mont., 1888, 84.

ACRODACTYLA Staff., 1904, May 3, 491 (m. *petalosa*) [not *Acrodactyla* Hal., ante 1846, hymenopteron], ἄκρος, end; δάκτυλος, finger.

*petalosa* (Lander, 1902) Staff., 1904, May 3, 491 (m. *Acipenser rubicundus* L. S.; Canada); includes Dist. *auriculatum* Wedl. of Lint.

ACTINODACTYLELLA Haswell, 1893f, Sept., 153–158, pl. 16, corrigendum (m. *blanchardi*), *Actinodactylus* Haswell, 1893 [not *Duchassaing*, 1890], renamed; 1894a, 256; (18—), 589–590.—Pratt, 1900a, 646, 648 (key).—St.-Remy, 1898, 522, 531.

1893: *Actinodactylus* Haswell, 1893d, 477 [not *Duchassaing*, 1890] [type *blanchardi*].

1899: *Actinodactynella* Mont., 1899, 81, type *haswelli*=*blanchardi*.

## ACTINODACTYLELLA—Continued.

- blanchardi* Haswell, 1893f, 153–158, pl. 16, corrigendum (Engæus fossor; Gippsland, Victoria, Australia).—Pratt, 1900a, 655, fig. 1, 657.—St.-Remy, 1898, 531–532, fig. 2 (on Eng. fos.; Australia) (syn. Actinodactylus sp.; Haswell).
- ACTINODACTYLIDÆ Haswell.—St.-Remy, 1898, 522.
- ACTINODACTYLUS Haswell, 1893d, 477 [not Duchassaing, 1890]; 1893f, 153–158, corrigendum, pl. 16, renamed Actinodactylella Haswell.—Mont., 1899, 116.
- ACTINODACTYNELLA Mont., 1899, 81, 86, 116, 117, 118, 119, 122 (type haswelli Mont., 1898=blanchardi Haswell, 1893, see Actinodactylella.)
- blanchardi* Haswell, 1893, teste Mont., 1899, 122.
- haswelli* Mont. (1898), 1899, 122 (in Engæus fossor; Australia, Gippsland, Victoria).
- ACTINODACTYNELLINÆ Mont., 1899, 118, 121.—Pratt, 1900a, 646, 647 (key) (apparently for Actinodactylellinæ), subf. of Temnocephalidæ.
- ADENOGASTER Looss, 1901l, Nov. 7, 620–621 (m. serialis); 1902m, 570, 583, 591, 601, 603, 609, 612, 615.—Pratt, 1902a, 890, 909 (key).
- serialis* Looss, 1901l, 620–621; 1902m, 545–548, pl. 26, figs. 71–74, 615, 875, pl. 26, figs. 71–74 (in Thalassochelys corticata; Alexandria, from Egyptian coast).
- AGAMODISTOMA Rail., 1893a, 376 (for Agamodistomum, q. v.).
- AGAMODISTOMUM Stoss., 1892, 4, 33–34 [collective group for immature forms, requires no type<sup>a</sup>]; 1895, 33; 1895, 228–229; 1898, 58.—Mont., 1893, 154.—Stiles, 1898a, 28; 1904, 8, 11, 12, 13.—Stiles & Hass., 1898a, 82, 96; 1899, 117; 1900a, 559; 1902f, 360.
- 1892: Distomulum Brand., 1892b, Oct. 7, 510.
- 1893: Agamodistoma Rail., 1893a, 376.
- anguis* (Linst., 1885) Stoss., 1895, 229 (in Anguis fragilis).
- capsularæ* (Dies., 1858) Stoss., 1892, 176 (in Ardea cinerea, A. purpurea, Crex pratensis, Nycticorax griseus, Podiceps auratus, P. nigricollis).
- chimæræ* Ariola, 1899a, 8–10, pl. 5, fig. 7 (in Chimæra monstrosa; Genova, Italy); (1899) v. 10 (in 129–138); (——), 299.
- cælebs* (Linst., 1875) Stoss., 1892, 176 (in Fringilla cælebs; Ratzeburg).
- gobii* Stoss., 1898, 58–59 (encysted in Gobius jozo; Trieste).
- martiranoi* Stiles, 1903aa, 15 (in Anopheles claviger), based on Martirano, 1901d, 849–852, figs. 1–4 [see also Mart., 1901b, 1089–1091, figs. 1–4; 1901c, 274; 1902a, 73; 1902b, 358].
- ophthalmobium* (Dies., 1850) Stoss., 1892, 33 (in Homo).—Stiles, 1902a, 24, 29–34; 1903u, 223 (ophthalmothium); 1905cc, 54.—Ward, 1903, 866.
- ophthalmothium* Luehe in Stiles, 1903u, 223, for ophthalmobium.
- pusillum* (Braun, 1790) Stoss., 1892, 33 (in Erinaceus europæus; Greifswald; Rennes).
- putorii* (Mol., 1858) Stoss., 1892, 34 (in Putorius communis; Padova, Ratzeburg).
- suis* Stiles, 1898a, 22, 28, 29, 143, fig. 1 (in Sus scrofa domestica; Germany); Dist. musculorum suis Duncker, 1896, 279, renamed.—Kastenbaum, 1899, (214), fig. 33, 4.—[See also Braun, 1893a, 870.—Duncker, 1881, 23–25; 1881, 141; 1881, 154; 1884, 39–42; 1896, 279–282.—Leuck., 1881, 46.—Moulé, 1885, 60–62.—Schndmhl., 1896, 302.—Stiles & Hass., 1900a, 559–560, fig. 23; 1902f, 360; 1904, 22.]
- valdeinflatum* (Stoss., 1883) Stoss., 1898, 59 (in Gobius jozo; Trieste): “Rappresenta la larva dell’ Echinostoma cesticillus Molin.”—Barbagallo & Drago, 1903, 411 (in G. j.; Cantania).
- viperæ* (Linst., 1877) Stoss., 1895, 228 (in Pelias berus).
- “ALAIRE” <sup>b</sup> Blainv., 1824a, 518, <sup>b</sup> see “Alaria Blainv.” of Dies., 1850a.—Leblond, 1837a, 518, 59, pl. 14, fig. 15 (teste Dies., 1850a, 374).
- “ALARIA Blainv.” of Dies., 1850a, 331 (for “alaire” [q. v.] Blainv., 1824a, 518, see Duj., 1845a, 437). See also Alaria Schrank.

<sup>a</sup> See p. 385.

<sup>b</sup> “Je propose de rétablir ce genre pour quelques espèces de fascioles cylindriques, avec une assez longue queue, et qui ont des espèces d’ailes de chaque côté du corps; j’en ai décrit une trouvée dans le pancréas du Simia maimon de Linné, à l’art. ‘fasciole’ du Dictionn. des sciences nat.”

This name being French, has no status in nomenclature.

**ALARIA** Schrank, 1788, 52 (m. *vulpis*) [not *Alaria* Dunc., 1841, lepidopteron; Morr. Lyc., 1850, mollusk].—Abildg., 1790, 63 (syn. of *Dist. vulpina*).—Brand., 1888a, 8.—Braun, 1893a, 884, 894, 902.—Dies., 1850a, 307 (syn. of *Hemist.*).—Encycl. méth., Par., v. 2, 20.—Knoch, 1862, 30.—Lamouroux, 1822a, 194. See also genera for which *alata* Goeze is type.

*vulpis* Schrank, 1788, 52 (*Planaria alata* vel *dubia* Goeze, 1782a, 176–177, pl. 14, figs. 11–13, from *Canis vulpes*, renamed).—Brand., 1888a, 60 (syn. of *Hemist. alatum*).—Dies., 1850a, 308 (syn. of *Hemist. alatum*; includes also *alata* Goeze as syn.).—Lamouroux, 1822a, 194.—Rud., 1809a, 402 (syn. of *Dist. alatum* Zed.).

**ALLEGREADIINÆ** Engler, 1904, 188, for *Allocreadiinæ*.

**ALLOCREADIIDÆ** Stoss., 1904, 199.

**ALLOCREADIINÆ** Looss, 1902m, 841.—Odh., 1905, 323, 326, 328.—Stoss., 1902, 578; 1903, 373.

**ALLOCREADIUM** Looss, 1900d, Dec. 3, 602 (*Creadium* Looss, 1899 [not *Creadium* and *Creadion* Vieill., 1816, bird], renamed, hence type isoporum; *ἄλλος*, another; 1901b, 199; 1902m, 760, 785, 839.—Braun, 1902b, 26, 147, 148.—Odh., 1901, 483–520; 1905, 328.—Pratt, 1902a, 888, 897 (key).—Stoss., 1901, 95 (7); 1902, 578; 1903, 373; 1904, 199.

*album* (Stoss., 1890) Stoss., 1901, 95 (7); 1904, 199 (type of *Lepocreadium*).

*angusticollis* (Hausmann, 1896) Odh., 1901, 517.—Stoss., 1901, 96 (8).

*asymphyloporum* Stoss., 1901, 96 (in *Trutta trutta*; Lake Plitvica, Croatia).

*atomum* (Rud., 1802) Odh., 1901, 506–513, 516, pl. 33, figs. 9, 10; 1905, 320 (type of *Podocotyle*).—Stoss., 1902, 582.

*commune* (Oss., 1876) Odh., 1901, 499–503, 508, 516, 517, pl. 33, fig. 6; 1905, 327.—Stoss., 1902, 582.

*fasciatum* (Rud., 1819) Odh., 1901, 485–490, 492, 496, 516, pl. 33, fig. 1; 1902, 160.

*genu* (Rud., 1819) Odh., 1901, 485, 496–499, 500, 501, 502, 517, pl. 33, figs. 3–5; 1905, 327.

*isoporum* (Looss, 1894) Looss, [1900d, 602:] 1902m, 785.—Kowal., 1902d, 27 (9).—Odh., 1901, 505, 506, 516; 1905, 327.—Staff., 1904, May 3, 493 (in *Semotilus bullaris* Raf.; Canada).—Stoss., 1901, 93, 96 (in *Gobius fluviatilis*; Loitsch in Carniola).

*labracis* (Duj., 1845) Odh., 1901, 514–516, pl. 33, fig. 11; 1905, 327.

*labri* (Stoss., 1886) Odh., 1901, 490, 493–496, 516, pl. 33, fig. 2; 1902, 160.

*obovatum* (Mol., 1859) Stoss., 1901, 95–96 (7–8) (in *Chrysophrys aurata*; Trieste).

*pegorchis* Stoss., 1901, 94–95 (6–7), pl. 6, fig. 4 (*Mæna smaridis*; Trieste); 1904, 199.

*sinuatum* (Rud., 1819) Odh., 1901, 490–492, 516; 1902, 160.

*transversale* (Rud., 1802) Odh., 1901, 505–506, 516; 1905, 327.

*tumidulum* (Rud., 1819) Odh., 1901, 503–505, 516, pl. 33, figs. 7–8.

*umbrinae* (Stoss., 1885) Odh., 1905, 327.

**AMFISTOMIDI** Sons., 1895, see *Amphistomidae*.

**AMPHIBDELLA** Chatin, 1874a, 11–16 (m. *torpedinis*); 1875, —.—Braun, 1890a, 412, 417, 444, 468, 484, 512, 519, 523, 542, 545 (diagnosis; m. *torpedinis*).—Maclaren, 1904, 583, 598, 599, 600.—Mont., 1889, 116; 1903, 336 (syn. of *Tetraonchus*).—Pratt, 1900a, 646, 654 (key), 657, fig. 47.—St.-Remy, 1898, 524.—Stoss., 1898, 17.

*torpedinis* Chatin, 1874a, 11–16, pl. 2 (IX), figs. 13–14 (in *Torpedo marmorata*; Mediterranean).—Brand., 1894a, 307.—Braun, 1890a, 418, 426, 444, 452, 545, 549, 552 (Genoa; Trieste).—Maclaren, 1904, 587.—Mont., 1888, 93, 110; 1889, 116 (belongs to *Gyrodactylidae*, *Tetraonchus*): 1890, 193–195 (on *Torpedo narce*, T. mar.); 1905, 79.—Par., 1894, 138, 578.—Par. & Perugia, 1890, 8; 1890, 363–367; 1890, Sept. 5, 335–336.—Pratt, 1900a, 657, fig. 47.—Stoss., 1898, 17–18 (on T. mar.; Trieste).

**AMPHIBDELLIDÆ** Carus, 1885a, 121 (contains *Amphibdella* Chatin).—Mont., 1888, 93; 1889, 116 (4) (belongs to *Gyrodactylidae*).

**AMPHIBOTHRIUM** Frey & Leuck., 1847, 147 (m. *krøyeri*)=*Amphibothrium* Leuck., 1847, see Braun, 1889a, 343).—Ben., 1858a, 1861a, 12.—Braun, 1890a, 518 (syn. of *Udonella*, 1855).—Dies., 1850a, 427 (syn. of *Udonella* Johnston).

*krøyeri* Leuck., 1847, 147–148, pl. 2, fig. 2 (on *Caligus* sp. parasitic on *Gadus*).

## AMPHIBOTHRIUM—Continued.

*kroyeri* Dies., 1850a, 427 for *kroeyeri* (syn. of *Udonella caligorum* Johnston) (in *Caligorum corporis superficie*, frequens, in *Caligo hippoglossi vulgaris*, April (Johnston); *C. triglae* Gurnardi, June (Hyndman); *C. curto* (Kroyer).—Ben., 1858a, 1861a, 13 (syn. of *U. cal.* Johnst.).—Tasch., 1878, 573 (syn. of *U. cal.* F. & L.).

## AMPHIOSTOMA Rud., 1819a, 88 for Amphistoma.

AMPHIOSTOMA *a b* Rud., 1801a, 50–51, 54 (Strigea Abildg., 1790, renamed, hence type strigis=macrocephalum); 1802b, 92–93; 1809a, 5, 21, 37, 340, pl. 5, figs. 4–7 [a, capite discreto, 6 species in birds; b, capite continuo, 3 species in birds, amphibia, and mammals]; 1819a, 87, 351–352, 589.—Baillet, 1866b, 99, 105–106.—Bellingham, 1844a, 338.—Ben. & Hesse, 1864, 61.—Blainv., 1828a, 582–583.—E. Bl., 1847a, 309–310.—R. Bl., 1886m, 841; 1888a, 543, 632, 636; 1895, 730.—Brand., 1888a, 9, 10, 13; 1891d, 12, 20.—Braun, 1883a, 69, 70; 1889i, 437; 1890a, 514, 515; 1892a, 568, 635, 650, 667, 681, 696, 698, 699, 707, 709, 710, 715, 720, 722, 738; 1892f, 49, 50, 51; 1893a, 851, 852, 872, 879, 880, 883, 884, 886, 890, 892, 893, 895, 902, 903, 904, 905, 906, 918; 1893f, 383; 1894a, 1147; 1895b, 134, 136, 137; 1898a, 1583; 1901b, 20, 55, 56 (sp. Bellingham).—Bremser, 1824, 132–133.—Burckhardt, 1891a, 63.—Burn., 1837a, 530; 1856a, 250.—Carus, 1863, 479.—Cobbold, 1875n, Nov., 817–821.—Cohn, 1903, in 35–42.—(rep., 1825a, 35–38; 1837a, 309, 313; 1839a, 286; 1847c, 30–35, pl. 2, figs. 1–5 (2 sp. in Zebu).—Cuv., 1817, 41.—Dav., 1877a, lxxx.—Deslongchamps, 1824c, 53–57.—Dies., 1836d, 238–246 (monograph); 1839a; 1850a, 288, 307 (sub Hemist.), 312 (sub Holost.), 317 (sub Codonoccephalus), 318 (sub Diplodiscus), 319 (sub Monost.), 400–407, 573 (sub Tetrabothriorhynchus); 1858c, 312, 322 (of Bellingham, 1844a, 339) (syn. of Holost. falconum), 357–358.—Duj., 1845a, 327–331.—Eichwald, 1829a, 248.—Fil., 1837a, 334, 336.—Fischer, 1840a, 156.—Fischder., 1901a, 367–375 (revision with several new genera); 1902a, 6, 7, 10 (Strigea) (see Paramphist., nomenclature; syn. of Paramphist.); 1903h, 487, (Strigea Abildg., renamed), 488, 489, 490 (type strigis=macrocephalum) (of mammals, revision).—Gamble, 1896a, 73.—Goldb., 1855a, 17.—Goubaux, 1863a, 882–884.—Gurlt, 1831a, 369.—Hahn & Lefevre, 1884, 806.—L'Herminier, 1826, 10.—Hoyle, 1890, 535, 539.—Jackson, 1888, 642, 644, 654.—Joy, 1835a, 504.—Kath., 1894a, 130.—Kholodk., 1898a, 33; 1899a, 153.—Kitt, 1885a, 148.—Lamarck, 1816b, 187–188.—Lamoureux, 1822a, 297.—Leblond, 1836f, 4.—Lejtenyi, 1881a, 3, 9, 11.—Leuck., 1863, 451, 459, 462, 463, 524.—Looss, 1892a, 126; 1894a, 10, 20, 178, 249; 1896b, 173–177; 1901, 622; 1902m, 430, 438, 439, 638, 676, 746, 780 (Paramphist.).—Moniez, 1896, 87.—Mont., 1888a, 7, 12, 30, 46, 47, 52, 56, 63, 64, 71, 83 (Amphist.), 84, 90, 91, 103; 1892, 38; 1892, Oct. 7, 196, 197, 214; 1892, 700, 710; 1893, 27, 108, 208.—Moul., 1856a, 11, 12, 15.—Neumann, 1892, 345.—Nitzsch, 1819, 398–401.—Nord., 1840, 544, 614, 625–627, 628–629.—Olfers, 1816, 22, 47.—Otto, 1896, 78 pp., 30 figs.; 1896, 85–141, 275–296, figs. 1–30 (anat., histology).—Pag., 1857, 52.—Poir., 1883, 79.—Pratt, 1900a, 645.—Rafinesque, 1815, 151 (genus of Filaridia).—Rail., 1892, July 15, 633–634 (of domestic animals in Tonkin); 1893, April 15, 245–246; 1893a, 376 (Strigea).—Rousseau, 1833–34, 149–150.—Schndmhl., 1896, 295, 303.—Schneider, 1866, 334.—Shipley, 1905, 7 (syn. of Strigea), 8 (type Holost. macrocephalum).—Shipley & Hornell, 1904, 80.—Sons., 1895, 181, 183, 184, 185, 186.—Stiles, 1898a, 24, 64.—Tasch., 1879, 232, 233, 256.—Vauillecard, 1899, 53.—Vogt, 1878, 9, 10.—Wallenstedt, 1847, 7.—Ward, 1895, 256, 338 (sp. Cobb. in stomach of *Equus caballus*).—Westrumb, 1821, 46; 1823, 390–398, pl. 5, figs. 1–2.

1803: Amphystoma Rud., 1803a, 29 (misprint).

1819: Amphistomum Nitzsch, 1819, 397–401 (emendation).—Crep., 1825, 35; 1837, 309, 313.

1819: Amphiostruma Rud., 1819a, 88 (misprint).

1822: Amphistome Lamoureux, 1822a, 297 (French word or misprint).

<sup>a</sup> Rud. deliberately renamed a previously validly named genus, namely *Strigea* Abildgaard, 1790, referring clearly to this fact both in 1801a, 50–51, and 1802b, 92. He makes but one combination (*Amphist. subclavatum*), but since *Amphist.* is clearly a new name proposed for an older one (*Strigea*), which Rud. changed on the alleged ground that it was inappropriate, *Amphist.* should be suppressed in favor of *Strigea* and take the same species as type.

<sup>b</sup> Since 1816 written almost indiscriminately *Amphistoma* or *Amphistomum*.

## AMPHISTOMA—Continued.

- 1888: *Amphistomun* Mont., 1888, 83 (misprint).  
*anatis* Rud., 1819a, 793, for *anatis querquedula* 1819a, 92.  
*anatis querquedula* Rud., 1819a, 92 (in *Anas querquedula*; C. E. V.).—Dies., 1836d, 253.—Westrumb, 1823, 398.  
*anatis tadornæ* (Viborg, 1795) Rud., 1809a, 352; 1814a, 100 (= *A. isostomum*).—Dies., 1850a, 313 (syn. of *Holost. erraticum* Duj.).  
*asperum* Dies., 1838a, 189 (in *Tapirus americanus*); 1839a, 236, pl. 20, figs. 14–16 (in *Tap. amer.*; South America [Matogrosso and Cachoeira do Bananeira]); 1850a, 402.—Braun, 1892a, 580; 1893a, 894, 905; 1893d, 466.—Cobbold, 1875n, 819; 1879b, 402.—Duj., 1845a, 334.—Fischder., 1902a, 39 (syn. of *Cladorchis asper*).—Nord., 1840, 629.—Sons., 1895, 184.  
*attenuatum* Dies., 1836d, 238, 252, pl. 24, figs. 9–12 (in *Salmo paccu*; Caçara); 1850a, 406–407 (in *Miletes bidens*; Brazil).—Cobbold, 1860a, 54 (in *M. bidens*; Brazil).—Duj., 1845a, 341 (in *Salmo paccu*; Brazil).—MacCallum, 1905, 668, 677 (in *Salmo*).—Nord., 1840, 629.  
*bothriophoron* Braun, 1892f, 49, 50, 51 (in *Bos indicus*; Madagascar); 1893a, 738; 1893b, 185; 1893f, 383; 1901b, 20.—Fischder., 1903h, 538 (to *Paramphist.*).—Otto, R., 1896, 101–103, fig. 5.—Sons., 1895, 184.—Spengel, 1892.  
*bothriophorum* Stiles, 1898a, 24, 67, fig. 56 (read *bothriophoron*).  
*brachycalium* Cohn, 1903, 39 (host not given) (? lapsus).  
*cervi* (Schrank, 1790) Stiles, 1898a, 24, 64, 65, 66, 67, 139, 140, 141, 142, figs. 49–55 (*Bos taurus*).—Fischder., 1901a, 368 (type of *Paramphist.*).—Stiles & Hass., 1900a, 611, fig. 29; 1902f, 360; 1904c, 22.  
*chelonix imbricatæ* Dies., 1858e, 358 (based on Bellingham, 1844a, 340, in *Chelonia imbricata*; Ireland).—Braun, M., 1893a, 905.  
*chordale* Burckhardt, 1891a, 21 Apr., 62–64 (*Protopterus annectens*); 1892a, 344–345 (a *Tetracotyle*, *Holostomidæ*, teste Brandes).  
*clavatum* Steenstrup, 1842, 59 (in *Rana temporaria*); 1842, 109–110 [for *subclavatum*?].—Sieb., 1843, 1x.  
*clavigerum* Zed., 1803a, 199 (Fest. *strigis* Schrank, 1788, renamed) (in *Strix*).—Rud., 1809a, 341 (syn. of *A. macrocephalum*).  
*collinsi* Sons., 1895, 182 (for *collinsii*), 187 to (*Pseudodiscus*).—Fischder., 1902a, 48 (in *Equus caballus*; India).  
*collinsii* Cobbold, 1875l, 741 (in *Equus caballus*); 1875n, 818, 819; 1879b, 357, 398; 1883x, 515.—Fischder., 1903h, 489 (to *Pseudodiscus* by Sons.).—Huber, 1896a, 580 (India).—Sons., 1895, 182, fig. 2.—Theobald, 1900, 51.  
*collinsii* var. *stanleyi* Cobbold, 1879b, 357 for *stanleyii* 1875 (in *Equus*).—Fischder., 1902a, 48.—Piana & Stazzi, 1900, 519 [= *A. hawkesi* Cobbold].—Sons., 1895, 182.  
*conicum* (Zed., 1803) Rud., 1809a, 349–352 (*Bos taurus*, Greifswald; *Cervus elaphus*), 356; 1819a, 91 (*Ovis aries*, *Cervus dama*), 360, 577, 589, 793.—Anacker, 1892c, 94.—Baillet, 1866b, 90, 106.—Bénion, 1874a, 628.—Bettendorf, 1897a, 7, 38; 1897, 311, 342.—E. Bl., 1847a, 310–316.—R. Bl., 1886, 295; 1888a, 584, 585.—Blumberg, 1871a, 40 pp., 1 pl. (anat.); ———, 496–499; 1872, v. 33, 190–191; ———, v. 8, 454.—Brand., 1891d, 7, 12, 13, 14, 15, 18, 20; 1898a, 222 (30).—Braun, 1892, 49, 50; 1892a, 576, 584, 587, 589, 591, 593, 595, 596, 597, 601, 603, 607, 608, 609, 613, 614, 615, 621, 622, 628, 632, 638, 640, 641, 642, 645, 646, 648, 654, 660, 661, 662, 664, 666, 667, 669, 671, 675, 676, 677, 681, 682, 683, 685, 688, 692, 693, 695, 703, 705, 711, 712, 713, 717, 718, 719, 724, 729, 730, 731, 733, 738, 739, 748, 762, 766; 1893a, 874, 879, 881, 905; 1893b, 186; 1893d, 466.—Cobb., 1891b, 614–615, 1 fig.—Cobbold, 1858b, 159; 1859, 51; 1875n, 818; 1879b, 331; 1884g, 976.—Conyngham, 1904, Sept. 17, 663.—Crep., 1837a, 311, 313, 315, 317, 321, 322, 323, 327; 1839a, 286; 1841, 80; 1847, 30.—Darr, 1902, 688.—Daubenton, ———, 250, pl. 16, fig. 3 (*Bos taurus*).—Dav., 1877a, lxxx, 234, 235.—Dies., 1835, 246; 1836d, 238, 239, 240, 243, 244, 245, 246–248, pl. 23, figs. 1–4 (*Bos taurus dom.*, *Ovis aries*, *Cervus elaphus*, *Cervus capreolus*, *Cervus dama*, *Cervus campestris*, *Cervus dichotomus*, *Cervus namibi*, *Cervus rufus*, and *Cervus simplicicornis*; Brazil); 1850a, 401 (in *Bos taurus indicus*, Berlin; *B. urus*, Vilna; *Capra hircus* var.; *Antilope dorcas*, Berlin; *Cervus capreolus*; *C. alces*) (syns.: *Fasc. hepatica* Mueller; *F. cervi* Schrank; *F. elaphi* Gmelin; *Festuc. cervi* Zed., *Monost. conicum* Zed.); 1850a, 401.—Duj., 1845a, 331, 332–333.—Eichw., 1829a, 248.—Falk, ———, 6–7.—Fischer,

## AMPHISTOMA—Continued.

- 1840, 157; 1883a, 20.—Fischder., 1901, 368, 375; 1902a, 11 (syn. of *Paramphist. cervi*), 13 (syn. of *P. liorchis*), 41, 50 (syn. of *Balanorchis anastrophus*); 1903h, 485 (in *Bos taurus*; Königsberg i. Pr.), 504–505 (syn. of *P. cervi*), 506, 508 (of Dies., 1835, 247, in *Cervus dichotomus* in Brazil as syn. of *Bal. anast.*), 508 (of Dies., 1835, 247, in *Cervus simplicicornis*, *C. campestris*, *C. mexicanus*, *C. rufus*, *C. dichotomus*, *C. namby* in Brazil as syn. of *P. liorchis*), 509 (of Gurlt, 1831, 369 in *Bos taurus indicus* as syn. of *P. dicranocœlium*), 515 (of Dies., 1835, 247, in South American *Cervus simplicicornis*, *campestris*, *mexicanus*, *rufus*, *dichotomus*, *namby*, as syn. of *P. liorchis*), 528 (in *B. tau. ind.*, as syn. of *P. dicranocœlium*), 535 (in *Antelope dorcas* as syn. of *P. microbothrium*), 584 (syn. of *Gastrothylax mancupatus*); 1904, 459.—Giard & Billet, 1892a, 615.—Giebel, 1857, 266.—Gronkowski, 1902a, 511, 514, 515, 517–518, 519, 520, 523, 529–531, 532, 533, fig. A (4, 7, 8, 10–11, 12, 13, 16, 22–24, 25, 26, pl. 13, figs. 2, 6, 7).—Gurlt, 1831, 156, 369–370, pl. 8, figs. 25–28.—Jan-son, 1893c, 261; 1897a, 103.—Kastenbaum, 1899 (244), fig. 33, 6.—Kath., 1894a, 131, 143.—Kerbert, 1881a, 548, 551.—Kitt, 1885a, 148.—Lamarck, 1816b, 189.—Lamouroux, 1822a, 297.—Laurer, J. F., 1830a, 20 pp., 1 pl.; 1830, 3, 4, figs. 1–14.—Lejtenyi, 1881a, 3, 5, 6, 7, 8, 11, 16, 18, 20.—R. Leuck., 1863, 479, fig. 157; 1876, 869.—Linst., 1883, 310.—Looss, 1885b, 6, 17; 1894a, 124, 142, 146, 206, 237; 1894d, 17, 22, 24; 1896b, 5, 23, 31, 32–33, 170, 173, 176, 178, 185–191, pl. 12, figs. 125–134 (syn. *Fest. cervi*) (in *Physa alexandrina*; *P. micropleura*; buffles; Egypt); 1898a, 459; 1902m, 438, 444 (*Cerc. pigmentata* Sons.), 638.—Macé, 1882, 9, 30, 80, 81, 85.—Mégnin, 1882, 456.—Mingazzini, 1899a, 10 pp., figs. 1–5.—Miram, 1840, 157.—Moul., 1856a, 18.—Mueh., 1898, 20.—Neumann, 1888, 336, fig. 124; 1892, 353, fig. 140; 1892, 363, fig. 140.—Nitzsch, 1819, 398 (syn. *Monost. conicum* Zed.).—Nord., 1832a, 38, 92, 93, 97; 1840, 547; 1840, 627 (syns. *Fasc. elaphi* Gmelin; *Monost. conicum* Zed.).—Olfers, 1816, 47.—Ostertag, 1899, 412.—Otto, 1896, 97–101, fig. 4, figs. 10, 13.—Poir., 1885, 1, 3, 101, 102.—Rail., 1886, 301, fig. 195; 1890, 143; 1892, 633; 1893a, 376–377 (synonymy), fig. 249.—Rail. & Gomy, 1899, 348, 349.—Rubridge, 1892, 61.—Schmalz, 1831, 24.—Schneider, 1866, pl. 28, fig. 4.—Siebold, 1835, 56, 57, 58, 59, 62, 65.—Slawikowski, 1819, 52.—Sons., 1895, 181, 184, 185; 1896, 314; 1897, 252.—Staff., 1905, April 11, 693 (syn. of *Paramphist. cervi* Zed.).—Stiles, 1898a, 64.—Tasch., 1878, 176.—Trollip, 1893, 6 (22), 2. Nov., 424–425 (in ox).—Verrill, 1870, 176, 177, 220.—Veterinarius, v. 21, 328.—Villot, 1878, 16.—Volz, 1899, 232.—Ward, 1895, 256 (syns. *Fest. cervi* Zed.; *Fasc. elaphi* Gmelin; *Monost. conicum* Zed.); 1895, 332 (in *Bos taurus*), 335 (in *Ovis aries*), 338 (in *Equus caballus*).—Westrumb, 1823, 396, 397.—Zeit. f. Fleisch-u. Milchhyg., July, 1894, 200.—Ziegler, 1883, 546.—Zuern, 1882, 220, 221, pl. 4, fig. 10.—Also reported for *Capreolus caprea*, *Cariacus paludosus*.
- cornu* (Zed., 1800) Rud., 1809a, 346–347 (*Ardea cinerea*; Europe); 1819a, 85, 345, 793 (to *Monost.*).—Brand., 1888a, 10.—Dies., 1850a, 327 (to *Monost.*).—Duj., 1845a, 349 (to *Monost.*).—Lamarck, 1816b, 189.—Nord., 1840, 626–627.—Olfers, 1816, 48.
- cornu* (Nitzsch, 1819) Rud., 1819a, 89–90, 357, 793 (*Ardea cinerea*, *A. garzetta*; Europe) [nec (Zed., 1800) Rud., 1809].—Baird, 1853a, 47.—Bellingham, 1844, 339.—Dies., 1850a, 315 (to *Holost.*); 1858e, 321.—Stoss., 1898, 22 (to *Holost.*).—Westrumb, 1823, 394–395.
- cornu* Dies., 1839a, 235, pl. 20, figs. 12–13 (*Dorcas n. sp.* = *Cataphractus vacu* Natt. Cat.; Forte do Rio Branco, Brazil) [nec (Zed., 1800) Rud., 1809a; nec (Nitzsch 1819) Rud., 1819]; 1850a, 402.—Braun, 1893a, 905.—Cobbold, 1860a, 53 (re-named *nattereri*).—Duj., 1845a, 340.—MacCallum, 1905, 668.
- cornutum* Rud., 1808a, xxv, pl. 4, figs. 4–7; 1809a, 343–344 (in *Charadrius pluvialis*, intestine; Greifswald); 1819a, 90, 589, 793.—Dies., 1850a, 317 (to *Holost.*).—Duj., 1845a, 372 (to *Holost.*).—Lamarck, 1816, 188.—Lamouroux, 1822a, 297.—Nord., 1840, 626.—Olfers, 1816, 47.—Risso, 1826, 262.—Westrumb, 1823, 395.
- rumeniferum* Crop., 1847, 30–34, pl. 2, figs. 1–5 (in *Bos taurus indicus*, rumen).—Baillet, 1866b, 106.—Brand., 1891d, 17; 1898a, 196, 216 (4, 24).—Braun, 1892a, 576, 738, 739; 1892, 49, 51.—Cobbold, 1875m, 819; 1879b, 332.—Dav., 1877a, lxxx.—Dies., 1850a, 402–403.—Fischder., 1902a, 27 (to *Gastrothylax*); 1903h, 488, 557 (type of *Gastrothylax*), 558, 559, 575; 1904, 459.—Giard & Billet, 1892a, 615.—Neumann, 1892, 363.—Poir., 1883, 76 (to *Gastrothylax*).—Sons., 1895, 185; 1896, 298.—Stiles, 1898a, 67.—Verrill, 1870, 177, 220.—Ward, 1895, 332 (in *Bos taurus*).

## AMPHISTOMA—Continued.

- crumigerum* Fischder., 1903h, 563 (syn. of *Gastrothylax compressus* Brand.).
- cylindricum* Dies., 1836d, 249, pl. 23, figs. 13–15 (in *Cataphractus murica*; at Villa Maria, Brazil); 1850a, 405 (in *Doras murica*; Brazil).—Braun, 1893a, 905.—Duj., 1845a, 340.—MacCallum, 1905, 668, 672, 673 (in *Callichthys*).—Nord., 1840, 628.
- denticulatum* Rud., 1819a, 90, 358 (in *Alcedo ispida*; Mus. Vien.), 793.—Dies., 1850a, 311 (to Hemist.).—Duj., 1845a, 372 (to Holost.).—Lamouroux, 1822a, 297.—Villot, 1898, 538.—Westrumb, 1823, 395–396.
- dolichocotyle* Cohn, 1903, May 30, 37–39, fig. 3 (in *Herpetodryas fuscus*); 1904, 242.—Type of *Catadiscus*, 1904.
- elongatum* (Poir., 1883) Fischder., 1903h, 577 (to *Gastrothylax*) (in *Anoa depressicornis*; Berlin Zool. Garden).
- emarginatum* Dies., 1839a, 237 (in *Callithrix noctivaga*; at Matogrosso, Brazil); 1850a, 407 (in *Cebus trivirgatus*), ex Dies., 1839.—Braun, 1893a, 905; 1901e, 311.—Cobbold, 1879b, 289.—Duj., 1845a, 331 (ex Dies., 1839).—Fischder., 1902a, 49 (in *Nictipithecus trivirgatus*; Brazil).—Nord., 1840, 629.
- emberizæ citrinellæ* Dies., 1836d, 253.
- erraticum* Rud., 1808a, 458 (nomen nudum); 1809a, 344–345 (in *Larus septentrionalis*; Greifswald, Europe); 1819a, 89 (in *Scolopax gallinago*, Greifswald; *Colymbus arcticus*, *Scolopax rusticola*), 356, 793.—Baird, 1853a, 47 (to Holost.).—Crep., 1839, 288.—Dies., 1850a, 313 (to Holost.).—Duj., 1845a, 373 (to Holost.).—Erc., 1881e, 86 (eggs); 1882a, 322.—Lamarck, 1816b, 189.—Lamouroux, 1822a, 297.—Nord., 1840, 626.—Olfers, 1816, 47.—Westrumb, 1823, 393–394.
- excavatum* (Rud., 1803) Nitzsch, 1819, 399 (to Holost.).
- explanatum* Crep., 1847, 34–35 (in *Bos taurus indicus*, liver and gall bladder; Berlin).—Baillet, 1866b, 106.—Braun, 1892a, 738; 1893a, 875, 905; 1893d, 467 (in *Bos taurus indicus*).—Cobbold, 1875n, 819; 1879b, 332.—Dav., 1877a, lxxx.—Dies., 1850a, 404–405 (Berlin).—Fischder., 1902a, 34 (in *Bos taurus ind.*; Calcutta); 1904, 454, 459.—Giard, & Billet 1892a, 615.—Gomy, 1897a, 377.—Rail, & Gomy, 1897, 2 July, 610–613 (in cattle; Cochinchina); 1897, 1 Aug., 474–475; 1899, 347, 349.—Sons., 1895, 184.—Stiles, 1898a, 24, 67, 140.—Verrill, 1870, 177.—Veterinarius, v. 21, 328.—Ward, 1895, 332 (in *Bos taurus*).
- fabaceum* Dies., 1838, 189 (in *Manatus australis*); 1839a, 236, pl. 20, figs. 19–23 (in *Manatus exunguis*; Borba and Forte do Rio Branco, Brazil); 1850a, 403–404 (in *Man. exung.*; Brazil).—Braun, 1893a, 905.—Cobbold, 1879b, 429.—Duj., 1845a, 334.—Fischder., 1901, 374 (type of *Chiorchis n. g.*); 1902a, 44, (to *Chiorchis*); 1903h, 621, 622 (in *Manatus latirostris*; North America).—Leidy, 1891a, 413–414 (in *Manatus latirostris*).—Nord., 1840, 629.—Stedman, 1889, v. 11, 85–101, pls. 1–2.
- falconis palumbæ* Baird, 1853a, 47 (syn. of Holost. macrocephalum).
- falconis palumbarii* Rud., 1819a, 88 (syn. of *A. macrocephalum*), 793.—Dies., 1850a, 309 (syn. of Hemist. spathula).
- falconis palumbi* (Viborg, 1795) Rud., 1809a, 352, sp. inq.
- falconis peregrini* Rud., 1819a, 92, 362, sp. dub. (*Falco peregrinus*; Berlin), 793.—Dies., 1836d, 253.—Westrumb, 1823, 397.
- ferrum-equinum* Dies., 1836d, 238, 250, pl. 23, figs. 16–18 (*Cataphractus murica* at Cuyaba and *C. corome* at Cuyaba and Matogrosso); 1850a, 405 (*Doras murica*, *D. costatus*).—Braun, 1893a, 905.—Duj., 1845a, 340–341.—MacCallum, 1905, 668.—Nord., 1840, 629.
- giganteum* Dies., 1836d, 238, 239, 240, 243, 244, 245, 248, pl. 22, figs. 5–6 (*Dicotyles albirostris* at Nas Frechas and Caçara, and *D. torquatus* at Matogrosso); 1850a, 403.—Brand., 1891d, 17.—Braun, 1892a, 578, 601; 1893a, 874, 905; 1893d, 466 (in *Dic. labiatus*; *D. torq.*).—Cobbold, 1875n, 819; 1879b, 404.—Crep., 1841, 80 (in *Dic. lab.*, *D. torq.*).—Duj., 1845a, 333–334.—Fischder., 1901, 373; 1902a, 40 (e. p. syn. of *Cladorchis* (*Taxorchis*) *schistocotyle*).—Moul., 1856a, 19.—Nord., 1840, 547, 628.—Sons., 1895, 184.
- gigantocotyle* Brand., in Otto, 1896, 16 Apr., 103–105, figs. 6–7 (in *Hippopotamus*).—Fischder., 1902a, 9, 34 (in *Hip. amphibius*; Africa); 1903h, 495, 496.
- gracile* Rud., 1819a, 89, 355 (*Mergus merganser* and *M. albellus*), 793.—Bellingham, 1844, 339.—Dies., 1850a, 315 (to Holost.); 1858e, 321.—Duj., 1845a, 578 (to Holost.).—Lamouroux, 1822a, 297.—Westrumb, 1823, 393.

## AMPHISTOMA—Continued.

- grande* Dies., 1839a, 237, pl. 20, figs. 25–27 (in *Chelys*, *Phrynos*, *Peltocephalus*, *Podocnemis*, *Rhinemys*; South America); 1850a, 406 (in *Chelys fimbriata*, *Phrynos geoffroanus*, *P. miliusii*, *P. gibbus*, *Peltocephalus dumerilianus*, *Podocnemis erythrocephala*, *P. expansa*, *P. tracaxa*, *Rhinemys nasuta*; Brazil).—Brand., 1891d, 17.—Braun, 1892a, 586; 1893a, 879, 905; 1899b, 715, 719; 1901b, 55.—Crep., 1844a, 114.—Duj., 1845a, 336.—Leidy, 1888, 127.—Looss, 1902m, 430, 437, 440.—Mont., 1892, 715; 1896, 165.—Nord., 1840, 629.
- hawkesi* Sons., 1895, 182; 1895, 187, fig. (to *Pseudodiscus*); 1896, 310.
- hawkesi* Braun, 1893d, 466, for *hawkesii* Cobbold.
- hawkesii* Cobbold, 1875n, 818, 819 (in *Elephas indicus*; India); 1877, 234; 1879b, 393, 396, 399; 1882, 238–240, fig. 8; 1883x, 515.—Braun, 1893a, 874, 905; 1893d, 466 (hawkesi).—Fischder., 1902a, 48 (hawkesi) (in *E. indicus*, India); 1903h, 489 (to *Pseudodiscus* by Sons., 1895).—Galli-Valerio, 1901c, 364 (elephant).—Huber, 1896a, 579–580 (elephant).—Looss, 1902m, 439 (hawkesi).—Ménin, 1882, 455.—Piana & Stazzi, 1900, 511, 519–525, 529, figs. 12–14 (hawkesi); 1901, 416.
- hepaticum* Betegh in Gomy, 1898, 328–329 [*Veterinarius*, v. 21 (11), June 1]; [Gomy, 1897, Aug. 21, 401].—Rail. & Gomy, 1899, 348.—Refers to “amphistome hépatique” = *A. explanatum*.
- hirudo* Dies., 1836d, 238, 249, pl. 23, figs. 10–12 (*Palamedea cornuta*; Engenho do Cap Gama, Brazil); 1850a, 407.—Braun, 1893a, 874, 905.—Duj., 1845a, 355.—Nord., 1840, 628.
- hominis* Lewis & McConnell, 1876a, 182–186, 1 text fig., pl. 3, figs. 1–3 (Homo; Calcutta, India).—Anders, 1903, 1245.—Bl., 1888a, 632–636, figs. 327–329; 1895, 744; 1900, 488.—Braun, 1883, 69; 1892a, 663; 1893a, 874, 905; 1895, 137–138, fig. 52; 1903, 146 (to *Gastrodiscus*).—Cobbold, 1879, 36–38, fig. 6; 1883x, 515.—Dav., 1877a, cxxxii.—Dunglison, 1893, 50, 533.—Fischder., 1901, 374; 1902a, 9, 46 (to *Gastrodiscus*); 1903h, 496.—Gamb., 1896, 63.—Giles, 1890, 125.—Hackley, 1886, 519.—Huber, 1896, 579–580.—Iijima, 1889, 157.—Jamison, 1897a, 74.—Kholod., 1898, 33, pl. 11, figs. 26–27; 1899a, 153.—Looss, 1902, 746; 1905, 110 (to *Gastrodiscus*).—Manson, 1901, 541, 543; 1903, 3, ed., 663, fig. 106.—Mon., 1896, 86, 87–89, figs. 17–18.—Mosler & Peiper, 1894, 185–186.—Schneidemuehl, 1896, 303.—Simon, 1897, 209; 1897, 223–224.—Sons., 1895, 181, 183; 1895, 187, fig. 6 (to *Gastrodiscus*); 1896, 310.—Stiles, 1904, 46 (to *Gastrodiscus*).—*Veterinarian*, Lond., 1877, v. 50, 82.—Vogt, 1878, 10.—Ward, 1895, 327 (in Homo); 1903, 865 (to *Gastrodiscus*).
- isotomum* Rud., 1814a, 100 (*Strigea candida* and *Amphist. anatis tadornæ*, renamed; in *Anas tadorna*; Copenhagen); 1819a, 89, 355, 793.—Bellingham, 1844a, 339.—Duj., 1845a, 377 (to *Holost.*).—Dies., 1850a, 313 (syn. of *Holost. erraticum*); 1858e, 320.—Lamoureux, 1822a, 297.—Olfers, 1816, 48.—Westrumb, 1823, 393.
- tonikum* Schneidemuehl, 1896, 303, for *conicum*.
- virgula* Rud., 1819a, 92 (in *Larus glaucus*; Cat. Ent. Vien.), 793.—Dies., 1836d, 253; 1850a, 310 (syn. of *Hemist. spathaceum*).
- voliginis delle Chiaje*, 1841a, 140 (sub *Amphystoma*).—Par., 1894.
- longicollis* Rud., 1819a, 87–88, 92, 352–353 (*Ardea alba*, *A. stellaris*, *Larus ridibundus*, and *L. atricilla*; Mus. Vienn.).—Baird, 1853a, 48 (to *Holost.*).—Bellingham, 1844, 338.—de Blainv., 1828, 583.—Bremser, 1824, 132; 1824c, pl. 8, figs. 15–16.—Dies., 1850a, 316 (to *Holost.*); 1858e, 321.—Fischer, 1840, 157.—Lamoureux, 1822a, 297.—Stoss., 1898, 21.—Westrumb, 1823, 390–391.
- lunatum* Dies., 1836d, 238, 240, 250–251, pl. 23, figs. 21–22 (*Cervus dichotomus*, *Anas melanotos*, *Anas ipecutiri*, *Himantopus wilsonii*; Caiçara); 1850a, 405–406 (“*Cervus dichotomus*, nisi *lapeus calami*,” other hosts as in 1836d).—Braun, 1892a, 570; 1893a, 874, 905.—Crep., 1839, 286.—Duj., 1845a, 335–336.—Fischder., 1902a, 53–54 in *Cervus dichotomus?*, *Anas ipecuteri*, *A. himantopus*, *A. melanotos*, *A. moschata* fer.; Brazil).—Nord., 1840, 629.—Also reported for *Cariacus paludosus*.
- macrocephalum* Rud., 1803a, 21–23 (*Strix bubo*) (includes: *Fasc. strigis* Gmelin, 1790a, and *Strigea Abildg.* 1790 [Copenhagen]) [type of *Amphist.*, by inclusion]; 1809a, 50, 340–342 (in *Strix ulula*, *S. otus*, *S. bubo*, *S. flammea*, *Scolopax gallinago*); 1814a, 99–100; 1819a, 88 (additional hosts: *Falco albicilla*, *F. aluco*, *F. apivorus*, *F. buteo*, *F. chrysaetos*, *F. cineraceus*, *F. cyaneus*, *F. gallicus*, *F. haliaetos*, *F. lagopus*, *F. lanarius*, *F. leucosoma*, *F. lithofalco*, *F. milvus*,



## AMPHISTOMA—Continued.

- F. naevius*, *F. nissus*, *F. palumbarius*, *F. pennatus*, *F. peregrinus*, *F. rufipes*, *F. subbuteo*, *F. tinnunculus*, *Strix brachyotus*, *S. dasypus*, *S. passerina*, 354–355 (includes *Holost. variabile* Nitzsch, and *Fest. oti*), 793.—Baird, 1853a, 47, 48 (to *Holost.*).—Bellingham, 1844a, 338.—Brand., 1888a, 10.—Bremser, 1824, pl. 8, figs. 18, 19, 21, 22.—Cobbold, 1858b, 164 (syn. of *Hemist. spathula* Dies., see next entry).—Crep., 1839, 288.—Dies., 1850a, 312–313 (*A. mac.* of Rud., 1809a, 340; 1819a, 88, exc. syn.; Westrumb, 1823, 391; Bremser, 1824, pl. 8, figs. 18, 19, 21, 22, all as syn. of *Holost. variabile*); 1858e, 320 (syn. of *Holost. variabile*).—Fischer., 1840, 157.—Fischder, 1901, 367; 1902a, 7 (= *Plan. strigis*); 1903h, 490 (= *strigis*; type of *Strigea*, *Amphist.*, *Holost.*).—Lamarck, 1816, 188.—Lamouroux, 1822a, 297.—Nitzsch, 1819, 400 (syn. of *Holost. variabile*).—Nord., 1840, 625 (syns. *Fasc. strigis*, *Holost. variabile*).—Olfers, 1816, 47.—Stoess., 1898, 21 (syn. of *Holost. variabile*).—Westrumb, 1823, 392–393.
- macrocephalum* Rud., 1819a, 88 (pars; *falconis milvi*).—Baird, 1853a, 48.—Bremser, 1824, pl. 8, figs. 17, 20.—Dies., 1850a, 309 (syn. of *Hemist. spathula*).—Linst., 1905, 191.—Nord., 1840, 626 (syn. of *A. striatum*).
- megacotyle* Dies., 1836d, 238, 250, pl. 23, figs. 19–20 (*Silurus palmito*; Matogrosso); 1850a, 405 (*Trachicirrhus nattereri*; Brazil).—Braun, 1893a, 905.—Duj., 1845a, 340 (in *Sil. palm.*; Brazil).—MacCallum, 1905, 668 (in *Silurus*).—Nord., 1840, 629.
- microcephalum* Rud., 1819a, 88, lapsus for *A. microstomum* Rud.
- microstomum* Rud., 1809a, 342–343 (*Corvus caryocatactes*; Europe); 1819a, 88, 793.—Dies., 1850a, 314 (to *Holost.*); Duj., 1845a, 371 (Greifswald), (to *Holost.*).—Lamouroux, 1822a, 297.—Olfers, 1816, 47.—Westrumb, 1823, 393.
- mutabile* (Zed., 1800) Sieb., 1835, 70, lapsus for *Monost. mut.*
- nattereri* Cobbold, 1860a, 52; cornu Dies., 1839a [not (Zed., 1800) Rud., 1809], renamed; t. h. *Callichthys vacu*; Brazil.
- oidemix nigrae* Dies., 1858e, 322 (syn. of *Holost. anatis nigrae*), based on Bellingham, 1844a, 340, Ireland.
- ornatum* Cobbold, 1882a, March, 240, fig. 9 (*Elephas indicus*).—Braun, 1893a, 882, 905.—Fischder., 1902a, 49 (in *Elephas indicus*; India).—Looss, 1902m, 439.—Mégnin, 1882v, 454–456 (in elephant).—Sons., 1895, 183.
- oxycephalum* Dies., 1836d, 238, 240, 251, pl. 24, figs. 1–8 (*Salmo auratus*, *S. pacu*, *Silurus megacephalus* at Cuyaba, *Salmo pacupeba* at Rio Panara and Rio Araguay); 1850a, 407.—Braun, 1892a, 586; 1893a, 905.—Duj., 1845a, 339–340.—MacCallum, 1905, 668, 672 (in *Salmo* and *Silurus*).—Nord., 1840, 629.
- papillatum* Cobbold, 1882, 240–242, fig. 10, pl. 24, fig. 11 (*Elephas indicus*).—Braun, 1892a, 580, 663; 1893a, 874, 905; 1893d, 466.—Fischder., 1902a, 49 (in *Elephas indicus*; India).—Sons., 1895, 184, 187, figs. 4–5.
- papilliferum* Braun, 1892a, 586, for *A. papillatum* Cobbold.
- pileatum* (Rud., 1802) Rud., 1819a, 90, 358, 793.—Blainv., 1828, 584 (to *Holost.*).—Dies., 1850a, 314 (to *Holost.*).—Lamouroux, 1822a, 297.—Westrumb, 1823, 395.
- pileatum* Rud., of Bremser, 1824, pl. 8, figs. 28–29.—Dies., 1850a, 311 (syn. of *Hemist. commutatum*).
- piriforme* Sons., 1895, 184 (for *pyriforme*).
- platycephalum* Crep., 1825a, 39–41, 81–82 (*Colymbus rufogularis*; Greifswald); 1846, 138, 139, 140, 141.—Dies., 1850a, 313 (to *Holost.*).—Duj., 1845a, 376 (to *Holost.*).
- pulcherrima* Weyenbergh, 1876, 167–169, pl. 9, figs. 75–78 (in *Hypostomus plecostomus* Val.; Argentina); 1878, 354 (to *Dist.*).—Looss, 1885b, 55.
- pyriforme* Dies., 1838a, 189 (in *Tapirus americanus*); 1839a, 236, pl. 20, figs. 17–18 (*Tap. amer.*; Matogrosso or Cachoeira do Bananeira); 1850a, 403 (Brazil).—Braun, 1893a, 874, 905; 1893d, 466 (in *Tap. amer.*).—Cobbold, 1875n, 819; 1879b, 402.—Duj., 1845a, 334.—Fischder., 1902a, 36 (to *Cladorchis*).—Nord., 1840, 629.—Sons., 1895, 184 (*piriforme*).—Weyenbergh, 1878, 167–169.
- rhopaloides* Crep., 1839, 294; 1846, 168 (“falsch geschrieben ropaloides” Leblond).—Baird, 1853a, 116 (syn. of *Tetrabothriorhynchus barbatus*).—Dies., 1850a, 574 (syn. of *Tetra. migratorius* in *Conger vulgaris*) (includes Leblond, 1836c, 290, pl. 16, figs. 1–3; 251.—Deslongchamps, —, 294.—Duj., 1845a, 341.—Sieb. 1837, 265; 1838, 306).—Lacaze-Duthiers, 1854a, 294.

## AMPHISTOMA—Continued.

- ropaloides* Leblond, 1836e, 290, pl. 16, figs. 1-3 (*Muraena conger*; coast of Normandie); 1836f, 4, pl. 16, figs. 1-3 (in *Muraena conger*).—(rep., 1839, 294.—Deslongchamps, —, 249.—Duj., 1845a, 341 (coast of Normandie).—Sieb., 1837, 265; 1838, 306.—Vaullegard, 1899, 82.
- scleroporium* Rud., of Brand., 1891d, 19 (for Creplin?).
- scleroporium* Crep., 1844a, 112-115, pl. 3, fig. A (*Chelonia mydas*); 1846, 146.—Braun, 1893a, 905; 1899b, 715 (in *Chelone viridis*), 725 (*C. mydas*); 1901a, 39, 40, 55, 56, 1 fig.—Dies., 1850a, 406 (*Halichelys atra*; Vratislaviae).—Looss, 1901, 623, 624; 1902m, 430, 437, 438, 440, 562.—Mont., 1896, 165.—Walter, 1892, 248.
- serpens* (Nitzsch, 1819) Rud., 1819a, 88, 353-354 (in *Falco haliaëtus*; September), 793.—Dies., 1850a, 316 (to Holost.).—Duj., 1845a, 371, at Halle (to Holost.).—Lamoureux, 1822a, 297.—Nord., 1840, 628 (to Holost.).—Westrumb, 1823, 392.
- sonsinoi* Linst., 1889, 23 (for *sonsinoi*) (in *Equus caballus*).—Ward, 1895, 338, (syn. of *Gastrodiscus aegyptiacus*) (in *Equus caballus*).
- species Bellingham, 1844, 340.—Braun, 1901a, 55, 56.—Looss, 1902m, 430.
- species Cobbold, 1879, in *Equus caballus*.—Ward, 1895, 338.
- species Fischder., 1903, v. 17, 594; 1904, 468, syn.? of *Paramphist. scoliocœlium*.
- species in *Felis catus*.
- species in *Phoca groenlandica*.
- spharcephalum* Westrumb, 1823, 396 (*Coracias jugularis*; at Rio Janeiro).—Brandes, 1888a, 65 (to Holost.); 1890a, 592.—Dies., 1850a, 314 (to Holost.; in *Coracina scutata*; Brazil).
- spharula* Rud., 1803a, 23-24 (*Corvus cornix*; Greifswald); 1809a, 345-346; 1819a, 90, 358.—Bellingham, 1843a, 343; 1844, 339.—Dies., 1850a, 314 (to Holost.).—Duj., 1845a, 371 (to Holost.).—Lamoureux, 1822a, 297.—Olfers, 1816, 47.—Westrumb, 1823, 395.
- spinulosum* Looss, 1901l, 7 Nov., 623-624 (in *Chelone mydas*; Alexandria, from Egyptian coast); 1902m, 415, 430-444, pl. 21, figs. 10, 11; pl. 22, figs. 12-16, 430, 434, 436, 437, 438, 439, 442, 649, 676, 869 (colon of *Ch. mydas*), 871.—Shipley, 1905, v. 2, 846.
- stanleyi* (Cobbold, 1879) Ward, 1895, 338 (in *Equus caballus*) (for *stanleyii* Cobbold).
- stanleyii* Cobbold, 1875n, 819. — Fischder., 1902a, 48 (*stanleyi*) (in *Equus caballus*; India).
- striatum* Rud., 1809a, 343 (*Falco milvus*; Europe); 1819a, 88 (syn. of *A. macrocephalum*, 793.—Baird, 1853a, 47 (syn. of Holost. *macroceph.*).—Dies., 1850a, 309 (syn. of *Hemist. spathula*).—Lamarck, 1816b, 188.—Nord., 1840, 626 (syn. *A. macroceph.* Rud.).—Olfers, 1816, 47.
- subclavatum* (Gœze, 1782) Rud., 1802b, 92-93; 1809a, 348-349 (in *Rana temporaria*, *R. bufo*, *R. arborea*, *R. esculenta*); 1819a, 90-91 (in *Bufo igneus*, *B. cinereus*), 358-359, 589, 793.—Baillet, 1866b, 96 (of Nitzsch).—Ben., 1858a, 1861a, 81-84, 171, 203, 215 (syns. *Plan. subclavata*, *Dist. subclavatum*, *Diplodiscus subclavatus*, *Dip. diesingii*, *Diplocotyle mutabile*).—Bettend., 1897a, 8, 37; 1897, 312.—Blainv., 1828a, 53.—E. Bl., 1847a, 316-317, pl. 14, fig. 1.—Brand., 1891d, 17.—Braun, 1892a, 592, 798; 1893a, 845, 848, 851, 852, 854, 858, 864, 869, 874, 879; 1893b, 177, 179, 180, 182; 1895b, 11.—Bremser, 1824c, pl. 8, figs. 30-31; 1824, 133.—Cobbold, 1872b, 91 (to *Diplodiscus*); 1879b, 49, 452, 454.—Crep., 1839a, 286.—Creutzburg, 1890a, 21.—Darr, 1902a, 678, 688.—Dies., 1836d, 237, 238, 240, 253 (to *Diplodiscus*); 1850a, 318 (in *Dendrohyas viridis*, *Rana temporaria*, *Pelophylax esculentus*, *Phryne vulgaris*, *Bufo viridis*, *Bombinator igneus*, *Leptodactylus sibilatrix*); 1858e, 360, 1859c, 435.—Duj., 1845a, 336, 339 (in *Rana esculenta*; Rennes).—Erc., 1881e, 57 (embryo), pl. 2, fig. 9; 1882a, 293.—Fil., 1837a, 338 (syn. *Diplodiscus subcl.*); 1854a, 6; 1855b, 13-17, pl. 2, figs. 14-16 (in *Planorbis vortex*; Montcalier); 1857c, 32.—Fischder., 1903h, 487 (to *Diplodiscus* by Dies.).—Fraip., 1880c, 419.—Gerv. & Ben., 1859b, 212.—Gronkowski, 1902a, 515 (8).—Hoyle, 1890, 539.—Iijima, 1884c, 638.—Kitt, 1885a, 148.—Knoch, 1894a, 10.—Lamarck, 1816b, 189.—Lamoureux, 1822a, 297 (*Amphistoma*).—Lang, 1892a, 81-89, 1 fig. (syn. *Diplodiscus subcl.* Dies.) (Cerc. of); 1893a, 479.—Lejtenyi, 1881a, 5, 8, 10, 18, 20.—Leuck., 1863, 82, 488, 491; 1879, 107; 1886d, 80.—Levin., 1881a, 63, 69.—Looss, 1892b, 147-167, 1 fig., pls. 19-20 in text (devel-

## AMPHISTOMA—Continued.

- opment); 1894a, 8, 85, 117, 133, 136, 137, 142, 146, 150, 169, 178, 206, 227, 234, 237, 248; 1894d, 17, 21, 22; 1896b, 17, 31, 138, 171, 172, 178, 179, 180, 181, 182, 183, 188, 189, 190; 1901, 441; 1902m, 438, 444 (Cerc. diplocotylea).—Macé, 1882, 12.—Mont., 1888, 39, 49, 50, 73, 78; 1891, 117; 1893, 68, 160, 205.—Moul., 1856a, 18, 20 (eye of Cerc.), 47 (embryo, 125 $\mu$ ), 50, 125 (eye of Cerc.), 208–211, pl. 6, fig. 10 (Cerc.=Diplodiscus diesingii) (in Planorbis vortex), 212.—Mueller, ———.—Nitzsch, 1819, 398–399 (syn. Plan. subcl. Gœze).—Nord., 1840, 627 (syns. Plan. subcl., Fasciolaria ranæ Gmelin, Diplodiscus subcl. Dies.).—Olfers, 1816, 45, 48.—Pag., 1857, 25, 26, 49–50, 52, pl. 6, figs. 5–9 (in braunen Frosche).—Poir., 1885, 102.—Risso, 1826, 262.—Roosbach, 1906, 368, 369, 375, 392, 394, 402, 405, 408, 413, 414, 423, 429, 431.—Sieb., 1835, 56, 57, 67, 70; —, v. 1, 160.—Slawikowski, 1819, 49.—Sons., 1884, 59, 60, 61; 1893, 187 (subclavatum) 188 (in Rana temporaria), 189 (in Triton cristatus, Rana esculenta L.).—Ssinitzin, 1904, 768, figs. a, b; 1906, 684.—Stephens, 1906, 10.—Tennent, 1906, 650.—Villot, 1878, 6.—Wagener, 1857, 26, 27.—Walter, 1858, v. 1, in 268–297, pls. 11–13; 1866, 64–65.—Westrumb, 1823, 396.—Zed., 1803a, 198, pl. 3, fig. 3.
- subclavatum* Rud. of Staff., 1900, 405, 412 ('rectum of frogs, chiefly of the small grass frogs,' Canada); 1905, 689–690 (Rana virescens Kalm, R. catesbiana Shaw; Canada), renamed Diplodiscus temperatus.—Looss, 1885b, 24.
- subclavatum* Sons., 1893, 187, for subclavatum.
- subtriquetrum* Rud., 1814a, 100 (Castor fiber; Berlin, May); 1819a, 91–92, 360–361, 577, 589, 793.—Blainv., 1828, 583.—Bojanus, 1821, 164, pl. 2, figs. 5–12.—Braun, 1892a, 578, 601, 608, 680, 681, 694, 746; 1893a, 905.—Bremser, 1824c, pl. 8, figs. 32–33.—Civinini, 1842, ———.—Cobbold, 1879, 317.—Crep., 1837, 313, 323; 1841, 80.—Dies., 1836d, 238, 244, 245, 246, 248–249, pl. 23, figs. 7–9 (in Castor fiber) (syn. Dist. amphistomoides); 1850a, 402 (syn. Dist. amphistomoides).—Duj., 1845a, 331–332.—Eichwald, 1829a, 249.—Fischer, 1840, 157.—Fischder., 1901, 373; 1902a, 41, 42 to Cladorchis (Stichorchis); 1903h, 506, 507.—Kuech., 1855, 192.—Lamouroux, 1822a, 297.—Leidy, 1888, 126.—Leuck., 1863, 460.—Macé, 1882, 9.—Mol., 1859, 849 (in Castor fiber).—Nitzsch., 1819, 398, 399.—Nord., 1840, 547.—Olfers, 1816, 47.—Otto, 1896, 105–108, fig. 8.—Schmalz, 1831, 24, 27.—Sieb., 1835, 64, 65.—Slawikowski, 1819, 52.—Sons., 1885, 184, 187, fig. 7.—Westrumb, 1823, 397.—Also reported for Arvicola campestris, Fiber zibethicus.
- subtriquetrum giganteum* Kuech., 1855, 192.
- sylvia* Rud., 1819a, 675 (Sylvia cyanea; Brazil), 793.—Dies., 1836, 253.—Westrumb, 1823, 398.
- tadornæ* Rud., 1819a, 89 (for A. anatis tadornæ and syn. of A. isostomum), 793.
- tanagra* Rud., 1819a, 674–675 (Tanagra tataoa; Brazil), 793.—Dies., 1836, 253.—Duj., 1845a, 335.—Westrumb, 1823, 397.
- tenuicolle* Westrumb, 1823, 391–392, pl. 5, fig. 2 (Falco rufus).—Dies., 1850a, 316 (to Holot.); Mus. Cat. Vien.
- truncatum* Rud., 1819a, 91, 359–360 (in Phoca vitulina; Berlin and Vratislavie), 793.—Anacker, 1888b, 314; 1892c, 94.—Baillet, 1866b, 105 (syn. of Dist. conus).—Braun, 1892a, 578, 586; 1893a, 875, 905; 1893, 348, 349, 350; 1893d, 467 (in Phoca sp.); 1893f, 382, 383, 384, 385, 386, 389, 424, fig. 1; 1893g, 802 (syn. of Dist. conus (Crep.)).—Cobbold, 1875n, 819; 1879b, 307, 313.—Crep., 1839, 286.—Dav., 1877a, lxxx.—Dies., 1836, 238, 252, pl. 24, figs. 13–15; 1850a, 404; 1858e, 350 (syn. of Dist. conus), 358 (in Phoca grœnlandica).—Duj., 1845a, 331.—de Jong, 1896a, 3, 4, 5.—Lamouroux, 1822a, 297.—Linst., 1878, 44.—Mol., 1859, 849 (in Felis catus).—Mont., 1889, 321.—Verrill, 1870, 175, 220.—Ward, 1895, 341 (in Canis familiaris).—Westrumb, 1823, 397.—Zuern, 1882, 223.
- truncatum* of Dies., 1850a, 404 (in Felis catus); 1858e, 332 (syn. of Dist. lanceolatum).—Kitt, 1885a, 148 (in cat).—Sons., 1889, 281 (syn. of Dist. conus (Crep.)).—Stoss., 1892, 25 (syn. of Dist. conus (Crep.)).
- trunkatum* Schneidemuehl, 1896, 303, for truncatum.
- tuberculatum* Cobbold, 1875n, 819 (in ox; India); 1879b, 332.—Fischder., 1902a, 49 (in Bos taurus; India).—Stiles, 1898a, 67, 140.—Ward, 1895, 332 (in Bos taurus).
- unciforme* Rud., 1819a, 674 (Oriolus cristatus; Brazil), 793.—Braun, 1892a, 578; 1893a, 905.—Dies., 1836d, 238, 252–253, pl. 24, figs. 16–18; 1850a, 404.—Duj., 1845a, 335.—Westrumb, 1823, 397.

## AMPHISTOMA—Continued.

- unguiculatum* Rud., 1819a, 91, 360 (Triton palustris; Berlin), 793.—Baird, 1853a, 44 (syn. of *A. subclavatum*).—Crep., 1839a, 286.—Dies., 1836d, 237, 254; 1850a, 319 (to *Diplodiscus*).—Fischder., 1903h, 487 (to *Diplodiscus* by Dies.).—Lamouroux, 1822a, 297.—Nitzsch, 1819, 399 (in *Wassersalamander*).—Westrumb, 1823, 397.
- urnigerum* Rud., 1819a, 89, 356–357 (in *Rana esculenta*; Mus. Vien.), 793.—Baird, 1853a, 49 (to Holost.).—Blainv., 1828a, 583.—Braun, 1892a, 796.—Bremscr, 1824c, pl. 8, figs. 24–27.—Crep., 1825a, 41–45, 83.—Dies., 1850a, 318 (syn. of *Codonocephalus mutabilis*; type of *Codonoc.*).—Duj., 1845a, 378, 379 (to Holost.) (in *Rana esculenta*; Paris).—Lamouroux, 1822a, 297.—Moul., 1856a, 16 (type of *Codonocephalus* Dies., 1850).—Nitzsch, 1819, 400.—Sons., 1893, 190 (syn. of *Cod. mut.* Dies.).—Westrumb, 1823, 394.
- vallei* (Stoss., 1899) Looss, 1902m, [418], 430 (to *Lophotaspis*), 890; the reference on p. 890 (index) is apparently a lapsus for *A. spinulosum*.
- variegatum* Crep., 1825a, 38–39, figs. 4–6 (in *Larus marinus*; Greifswald); 1846, 139, 140, 146.—Dies., 1850a, 315 (to Holst.).—Duj., 1845a, 376.
- watsoni* Conyngham, 1904, Aug. 13, 464, Aug. 15, 252, Aug. 27, 355; 1904, Sept. 17, 663, figs. 1–2 (in *Homo*; Africa); 1904, Sept. 29, 1480; 1904, Oct. 8, 710; 1904, Sept. 8, 1092.—Shipley, 1905, 8 (syn. of *Cladorchis watsoni*); original patient in Zola (Nigeria) came from Adamawa, German West Africa.

AMPHISTOME Mont., 1888a, 18.

AMPHISTOMATA Bojanus, 1817b, 275, 276.

AMPHISTOMATIDÆ Gamb., 1896a, 73.

AMPHISTOME Lamouroux, 1822a, 297, for *Amphistoma*.

AMPHISTOMEÆ Zuern., 1882, 113.—Brand., 1888, 49.—Braun, 1893a, 886.—Mont., 1888a, “mihi,” 7, 11, 12, 14, 15, 16, 18, 34, 36, 38, 41, 51, 52, 56, 57, 60, 90, 91, 102, 103; 1892, Oct. 7, 195.

AMPHISTOMIDÆ E. Bl., 1847a, 309.—R. Bl., 1895, 730.—Brand., 1890a, 576.—Braun, 1893a, 886, 890, 895, 900, 904; 1895b, 136.—Cobbold, 1877, 235; 1879b, 4.—Cohn, 1904, 242.—Fischder., 1901, 367; 1902a, 8 (renamed *Paramphistomidæ*; 1903h, 489, 490 (syn. of *Paramphistomidæ*).—Kholodk., 1898, 25, 33.—Looss, 1899, 541, 542, 543.—MacCallum, 1905, 667.—Mont., 1888a, “mihi,” 21, 90, 91, 103, 108; 1892, Oct. 7, 214 (f. of *Malacocotylea*); 1893, 82.—Mueh., 1898, 20.—Nickerson, 1902, 612.—Poir., 1883, 74; 1885, 147.—Schneidemuehl, 1896, 295.—Sons., 1895, 184, 185, 186.—Stiles, 1898a, 22, 24, 27, 64.—Stiles & Hass., 1898, 87.—Zuern., 1882, 113.  
1895: *Amphistomidi* Sons., 1895.

[AMPHISTOMINA Lankester, E. R., 1890, 846 (f. of *Gromiidea*, Protozoa).]

AMPHISTOMINÆ Mont., 1892, Oct. 7, 214 (subf. of *Amphistomidæ*).—Braun, 1893a, 890.—Looss, 1899, 541, 543.—Not *Amphistominæ*, subf. of *Gromidæ* (Protozoa), see Calkins, 1901b, 106.

AMPHISTOMULUM Brand., 1892b, Oct. 7, 510 (proposed as an artificial collective group to contain immature amphistomes).—Stiles, 1902, 28, 48.

AMPHISTOMUM Nitzsch, 1819, 397.—Crep., 1825a, 35 (for *Amphistoma*, q. v.).

[AMPHITYPIE, a term, not a zoological name, see Looss, 1902m, 789–792.]

AMPHYSTOMA Rud., 1803a, 29 (for *Amphistoma*, q. v.)

ANADASMUS Looss, 1899b, 568–569 (m. *amphiorchis*) [not *Anadasmus* Walsingham, 1897, insect]; 1900d, 601, 602 (renamed *Orchidasma*): 1902m, 839.—Braun, 1901b, 20.—Luehe, 1901, 488.—Stiles, 1901, 185, 189, 191.

*amphiorchis* (Braun, 1899) Looss, [1899b, 568, 569]; 1902m, 463 (to *Orchidasma*).

ANAPORRHUTINÆ Looss, 1901, 205 (subf. of *Fasciolidæ*); 1901, 558; 1902, 479, 485, 844, 862–863 (diagnosis).—Odhn., 1902, 65, 68.—Pratt, 1902a, 888, 901 (key) (includes *Anaporrhutum*, *Plesiorchus*; related genus *Allodistomum*).

ANAPORRHUTUM Ofenheim, 1900, 145–186 (type *albidum* Brand., designated by Looss, 1900b, 204).—Braun, 1902b, 23.—Darr, 1902, 652.—Looss, 1901b, 204, 205, 209; 1901l, 557, 558; 1902m, 479, 480, 481, 482, 484, 485, 526, 621, 813, 814, 844, 848, 851, 852, 853, 854, 855, 857 (*Anaporrhutinæ*), 858, 859, 860, fig. B. V, 863 (diagnosis).—Odhn., 1902, 65, 67.—Pratt, 1902a, 888, 900 (key), 901 (key).

## ANAPORRHUTUM—Continued.

- albidum* Brand. in Ofenheim, 1900, 145–186, figs. 1–4 in text, pl. 3, figs. 1–8 (in body cavity and pericardium of *Aëtobatis narinari*, in Pacific).—Hollack, 1902a, 868.—Looss, 1901b, 204 (type of genus), 206, 209; 1901l, 557; 1902m, 479, 482, 483, 484, 620, 622, 623, 624, 625, 628, 791 (Amphitypie), 844, 848, 851, 852, 855, 857, 863.—Odhn., 1902, 154.
- ricchiardii* (Lopez, 1888) Looss, 1901b, 204, 206, 209; 1901l, 557, 558; 1902, 479, 482, 483, 484, 621, 622, 791 (Amphitypie), 844, 848, 852, 853, 854, 855 (to *Probolitrema* as type).
- ricchiardii* (Lopez of Ofenheim) Looss, 1902m, 479, 482, 483, 484, 621, 622, 852, 854, 855 (renamed *Probolitrema capense*).
- richiardi* of Ofenheim, 1900, 169–180, 178, 179, 180, 185, 186, pl. 3, figs. 9–12 (in *Scyllium* sp., Atlantic, near Kapstadt).—Odhn., 1901, 61; 1902, 61.
- ANCHITREMA Looss, 1899b, 637 (m. *sanguineum*);  $\alpha\chi\chi\iota$ , near related; 1901b, 200; 1902m, 839.—Klein, 1905, 78; 1905, 20.—Luehe, 1901, 487.—Odhn., 1902, 41.—Ofenheim, 1900, 183.—Pratt, 1902a, 889, 905 (key).
- mutabile* (Mol., 1859) Rizzo, 1902, 27–28, fig. 1 (*Ascalabotes mauritanicus*, *Lacerta agilis*).
- sanguineum* (Sons., 1894) Looss, 1899b, 637; 1902m, 492, 818, 823.—Heymann, 1905, 97.—Luehe, 1900aa, 565, 566.
- ANCYROCEPHALUS Crep., 1839a, 292 (m. *paradoxus*).—Cerf. 1895h, 918; 1896, 514.—Dies., 1850a, 416; 1858e, 314, 368 (f. *Polycotyale*, subf. *Aplacocotyalea*).—Mont., 1903, 336 (syn. of *Tetraonchus*).—Stiles & Hass., 1905b, 85.
- paradoxus* Crep., 1839a, 292 (in *Perca lucioperca*); 1846, 155.—Dies., 1850a, 416 (Greifswald, Vienna, Gedani); 1858e, 368, pl. 1 (in *Lucioperca sandra*).—Duj., 1845a, 654 (in *P. luc.*).—Kroyer, 1838–40a, 579 (in *Lucioperca sandra*).—Mont., 1888, 90; 1889, v. 3(2), 113–116 (syn. of *Tetraonchus unguiculatus* Wagener; in *Lucioperca sandra*, *Perca fluviatilis*); 1889, 26 Oct., 516–517; 1891, 109; 1893, 113–116.—Sieb., ———, 298.—Tasch., 1879, 238, 264 (syn. of of *Tetraonchus unguiculatus* Wagener).
- ANCYROCOTILE Massa, 1903, 252, for *Ancyrocotyle*.
- ANCYROCOTYLE Par. & Mont., 1903, v. 7 (1), 117–123, pl. 3, figs. 1–6 (m. *vallei*); 1904, May 17, 280.—Massa, 1903, 252 (*Ancyrocotile*); 1906, 44, 48.—Mont., 1903, 335 (subf. *Ancyrocotylinæ*; f. *Tristomidæ*).
- vallei* (Par. & Perugia, 1895) Par. & Mont., 1903, 117–121, pl. 3, figs. 1–6 (*Naucrates ductor*).
- ANCYROCOTYLINÆ Mont., 1903, 335 (subf. of *Tristomidæ*).
- ANGIODICTGUM Looss, 1902m, 648 (misprint for *Angiodictyum*).
- ANGIODICTYIDÆ Looss, 1902m, 484, 617–684 (anat. histol.) 683 (diagnosis, key to genera), 699, 843 (contains *Deuterobaris*, *Octangium*, *Microscaphidium*, *Angiodictyum*, *Polyangium*).
- ANGIODICTYUM Looss, 1902m, 433, 632, 634, 639, 641, 642, 645, 647. [648], 652, 657, 658, 659, 665, 666, 668, 675, 679, 681, 683, 684, 688–689 (diagnosis, m. *parallelum* [Looss]), 691, 698, 699.
- 1902: *Angiodictgum* Looss, 1902m, 648.
- parallelum* (Looss, 1901) Looss, 1902m, 632, 689–690, 696, 698, pl. 29, figs. 134–136, pl. 30, figs. 137–142.
- ANISOCCLADIUM Looss, 1902e, 637, new name for *Anisogaster* Looss, 1901, 658 (not *Anisogaster* Deyr, 1863, coleopteron), hence type *fallax*; 1902m, 789.
- fallax* (Rud., 1819) Looss, 1902m, 789.
- ANISOCCELLIINÆ Looss, 1901e, 658.
- ANISOCCELLINÆ Pratt, 1902a, 888, 894 (key), 899 (for *Anisocelliinæ* Looss) contains *Anisocellium* and *Anisogaster*.
- ANISOCCELLIUM Luehe, 1900, 504–507 (m. *capitellatum*).—Looss, 1901, 656, 658, 659; 1901, 206.—Odhn., 1905, 314.—Pratt, 1902a, 888, 895 (key), 899.
- capitellatum* (Rud., 1819) Luehe, 1900, 504–507, 508; 1901, 399.—Hollack, 1902a, 868.—Looss, 1901, 656–658, 659, 660, fig. 12; 1902, 789.—Stoss., 1901, 97 (in *Uranoscopus scaber*) (9).
- ANISOCOTYLINÆ Mont., 1903, 336 (f. *Monocotylinæ*); 1904, 118; 1905, 70, 71; 1905, 117.

ANISOGASTER Looss, 1901e, 658 (tod. fallax Rud.) [not Anisogaster Deyr, 1863, coleopteron]; renamed Anisocladium Looss, 1902e, 637; 1902e, 789.—Pratt, 1902a, 888, 894 (key), 899.

*fallax* (Rud., 1819) Looss, 1901e, 658–660, 661, fig. 13.

*gracilis* Looss, 1901e, 660–661, fig. 14 (in *Uranoscopus scaber*; Triest).

“ANOICTOSTOMA Stoss.” of Braun, 1899, 789, for Anoiktost. 1901b, 34; 1901f, 568; 1902b, 28, 30, 31.

*planicolle* (Rud., 1819) Braun, [1901f, 567:] 1902b, 28–31, fig. 20 (syns.: Dist. planicolle Rud., 1819; Duj., 1845; D. (Echinost.) planicolle Brand., 1892; Monost. echinostomum Dies., Mont.).

ANOIKTASTOMA Pratt, 1902a, 888, 894 (key), for Anoiktost.; related to Centrocestinae.

ANOIKTOSTOMA Stoss., 1899, 11, 15–16 (coronatum=corvinæ=aloyisæ).—Looss, 1899b, 580, 581, 582, 583 (tld. coronatum=corvinæ=aloyisæ), 625.

1899: Anoictostoma Braun, 1899, 789.

1901: Anoictostoma Vaullecard, 1901, 143.

1902: Anoiktastoma Pratt, 1902a, 888, 894 (key).

*aloyisæ* (Stoss., 1885) Stiles & Hass., 1908, 99.

*cesticillus* (Mol., 1858) Stoss., 1899, 15 (includes Dist. bicoronatum Stoss., 1883, 113, pl. 1, figs. 1–3) (in *Corvina nigra*, *Umbrina cirrhosa*, *Lophius piscatorius*, *Zeus faber*).—Looss, 1899b, 576 (type of Stephanost.).

*coleostomum* (Looss, 1896) Stoss., 1899, 15.—Looss, 1899b, 585 (type of Ascocotyle).

*coronarium* (Cobbold, 1861) Stoss., 1899, 16 (int. of *Alligator mississippiensis*).—Looss, 1899b, 578 (to Acanthost.); 1901 (to Acanthochasmus).

*coronatum* (Wagener, 1852) Stoss., 1899, 15 (including Dist. corvinæ and Dist. aloyisæ Stoss.) (int. of *Corvina nigra*); [name not available, see corvinæ] (type by designation of Looss, 1899b, 583).

*corvinæ* (Stoss., 1886) (type by designation, Looss, 1899b [581–583], [see aloyisæ 1885]).

*cuspidatum* (Looss, 1896) Stoss., 1899, 15 (int. of *Milvus parasiticus*; Egypt).—Looss, 1899b, 584 (to Centrocestus as type).

*fallax* (Rud., 1819) Stoss., 1899, 16 (intest. of *Uranoscopus scaber*.—Type of *Anisogaster*, 1901; type of *Anisocladium*, 1902.

*hystrix* (Duj., 1845) Stoss., 1899, 15 (stomach of *Lepidoleprus trachyrhynchus*, *Lophius piscatorius*, *Merlangus carbonarius*, etc.).—Looss, 1899b, 576 (to Stephanost.).

*imbutiforme* (Mol., 1859) Stoss., 1899, 16 (intest. of *Labrax lupus*).

*inflatum* (Mol., 1859) Stoss., 1899, 16 (as doubtful) (intest. of *Anguilla*).

*lydiæ* (Stoss., 1896) Stoss., 1899, 15 (intest. of *Orthogoriscus mola*).—Looss, 1899b, 576 (to Stephanost.).

*planicolle* (Rud., 1819) Braun, [1901e, 567 (sub Anoictost.):] 1902b, 28, fig. 20 (includes Dist. planicolle Rud., 1819a, 687; Duj., 1845a, 430; Monost. echinostomum Dies., 1850a, 326; Mont., 1892, 30; Dist. (Echinost.) planicolle of Brand., 1892, 506).

*pristis* (Deelongschamps, 1824) Stoss., 1899, 15 (intest. of *Gadus cuxinus*).—Looss, 1899b, 576 (to Stephanost.).

*scabrum* (Mueller, 1788) Stoss., 1899, 16 (intest. of *Gadus morrhua*, *Merlangus pol-lachius*, *Lota molva*).—Looss, 1899b, 582 to D. (Hemirurus).

*sobrinum* (Levin., 1881) Stoss., 1899, 15 (intest. of *Cottus scorpius*).—Looss, 1899b, 576 (to Stephanost.).

*spiniceps* (Looss, 1896) Stoss., 1899, 15 (in intest. of *Bagrus bayad*).—Looss, 1899b, 578, 582 (to Acanthosomum as type).

ANOITOSTOMA Vaullecard, 1901, 143 (misprint for Anoiktost.).

ANOPLDISCUS Sons., 1890, 172 (m. richiardi); 1891, v. 15, 147–148.—Braun, 1891d, 422; 1893a, 890.—Gamb., 1896a, 73.—St.-Remy, 1898, 522, 524.—Mont., 1892, Oct. 7, 213 (g. of Calceostominae); 1903, 336 (subf. Anisocotylinæ); 1905, 65, 66, 68, 70.—Pratt, 1900a, 646 (key), 654.

*richiardi* Sons., 1890, v. 7, 16, Nov., 172 (t. h. *Pagrus orphus*); 1891, v. 15, 147–148.—Braun, 1891d, 422.—Mont., 1891, 108; 1905, 65–68, figs. 1–3 (host *P. orphus*).—Par., 1894, 138, 672, at Pisa.

ANTHOCOTILE Par. & Perugia, 1890, 11, 13, for Anthocotyle.

ANTHOCOTYLE Ben. & Hesse, 1863; 1864, 96, 104 (m. merlucii).—Braun, 1890a, 413, 415, 516, 517, 523, 534, 536, 546; 1893a, 890.—Cerf., 1895d, 476–478; 1895e, 510–527, 1 pl., figs. 1–9; 1895g, 536; 1895h, 913, 918, 920; 1896b, 422–423; 1896d, 497–510, 514, 515; 1899a, 345, 391.—Gamb., 1896a, 73.—Hoyle, 1890, 539 (“one species (A. merlucii) found in the hake”).—Mont., 1888a, 11, 66, 86, 89, 99; 1892, Oct. 7, 213 (subf. of Octocotylinæ); 1903, 336, (subf. Diaphorocotylinæ).—Pratt, 1900a, 646, 653 (key), 656, fig. 37.—St.-Remy, 1898, 556.—Scott, 1901, 148.—Sons., 1895, v. 6 (6), 118–121; 1896, June 4, 790.—Tasch., 1879, 69; 1879, 238, 247.

*merlucii* Ben. & Hesse, 1863; 1864, 105, pl. 10, figs. 8–12 (in *Merluccius vulgaris*).—Cerf., 1895e, 510, 511–525, figs. 1–8; 1896, 497, 500, 510; 1896, 498–509.—Par. & Perugia, 1890, 7.—Pratt, 1900a, 656, fig. 37, 657.—Scott, 1901, 148, pl. 8, fig. 4 (in *Merluccius merluccius*; Aberdeen); 1905, 117.—Staff., 1904, 482 (gills of *Merluccius bilinearis* Mit.; Canada).

*merlucii* Tasch., 1879, 247 (for *merlucii*)—Braun, 1900a, 419, 453, 510, 536, 548, 551.—Hoyle, 1890, 539.—Mont., 1888, 7, 8.—Sons., 1895, 118, 119, 120.

(APOBLEMA) Duj., 1845a, 383, 389, 420, as subg. of Dist.; raised to generic rank by E. Bl., 1847, 302. See Apoblema and Hemirus. Type *appendiculatum*.

*affine* (Rud., 1819) Stoss., 1886, 44.—See *Derogenes*.

*apertum* (Rud., 1819) Duj., 1845a, 422.

*appendiculatum* (Rud., 1802) Duj., 1845a, 420–421.—Braun, 1891d, 423. See Apoblema.

*caudiporum* (Rud., 1819) Duj., 1845a, 422. See *Lecithochirium*.

*crenatum* (Mol., 1859) Stoss., 1886, 58. See Apoblema.

*excisum* (Rud., 1819a) Stoss., 1886, 58. See Apoblema.

*grandiporum* (Rud., 1819a) Stoss., 1886, 63. See Apoblema.

*labri rupestris* (Oss., 1876) Stoss., 1886, 51.

*mollissimum* (Levin., 1881) Stoss., 1886, 58. See Apoblema.

*ocreatum* (Rud., 1802) Duj., 1845a, 422–423.—Type of *Pronopyge*, 1899. See Apoblema.

*raynerianum* (Nardo, 1827) Stoss., 1886, 58.

*rufoviride* (Rud., 1819a) Duj., 1845a, 421. See Apoblema.

*tornatum* (Rud., 1819a) Duj., 1845a, 421–422. See Apoblema.

*ventricosum* (Rud., 1819) Stoss., 1886, 59. See Apoblema.

APOBLEMA (Duj., 1845) E. Bl., 1847, 302–303 (*appendiculatum*).—Bettend., 1897a, 17; 1897, 321.—R. Bl., 1891, 609.—Brand., 1891b, 267; 1891d, 19, 20.—Braun, 1891d, 423; 1892a, 570, 590, 603, 608, 641, 682, 710, 713, 715, 720, 721, 744; 1892h, 728, 729; 1893a, 838, 879, 885, 886, 890, 893, 894, 909, 911; 1895, 128, 138; 1899, 3; 1900h, 3.—Dies., 1850a, 331 (syn. of Dist.).—Hausmann, 1897b, 38.—Juel, 1889a, 46 pp., figs. 1–18 (anatomy); 1889b, 46 pp., figs. 1–18; 1890a, pp. 54–55.—Kath., 1894a, 130.—Looss, 1894a, 122, 129, 142, 170, 200, 201, 204, 224; 1894d, 42; 1896b, 122, 123, 125, 127, 134; 1899, 527, 535, 538, 542, 582, 637, 638, 729; 1902, 756, 839.—Luehe, 1900, 509; 1901, 394, 484.—Mont., 1888a, 92, 105; 1891d, 496, 522, 1 pl.; 1891e, 32 pp., 17 figs.; 1892, Oct. 7, 214 (gen. of Distominæ); 1891h, 742; 1893, 6, 27, 33, 34, 43, 53, 61, 84, 85, 86, 88, 90, 107, 123, 149, 151, 152, 153, 154, 182.—Nickerson, 1902, 609.—Ofenheim, 1900, 156, 179, 181.—Pratt, 1898, 352, 368, 375.—Stiles, 1901, 177, 178, 197.—Stiles & Hass., 1898a, 83, 90, 91 (syn. of *Hemirus*).—Stoss., 1892, 4; 1898, 27. See *Hemirus*.

1904: Apoblema Linst., 1904, 252, misprint.

*appendiculatum* (Rud., 1802) E. Bl., 1847, 302–303, pl. 12, fig. 3.—Barbagallo & Drago, 1903, 409 (in *Lichia amia*, *Lophius piscatorius*, *Cantania*; *Scomber colias*, *S. scomber*).—Braun, 1892a, 714.—Dies., 1850a, 371 (to Dist.).—Juel, 1889, 4, 5, 7, 8, 13, 19, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35, 36, 39, 41, fig. 17.—Lander, 1904a, 4, to (*Hemirus*). 7, 14.—Looss, 1894a, 224; 1896, 123, 124, 125, 131–140, pl. 9, figs. 88–90 (in *Alosa finta*; Cairo).—Luehe, 1901, 396, 397, 399, 400.—Mont., 1891, 501, 502–508, 513, 516, 517, 518, 520, 521 (syns. D. app. Dies., 1858, D. *ventricosum* Wagener, 1860, D. *ocreatum* Olsson, 1868); 1891, 9; 1891, 502; 1891, 11, 12; 1893, 27, 61, 84, 95, 191, pl. 1, fig. 3.—Mueh., 1898, 21.—Odhn., 1905, 350, 351.—Par., 1902, 5 (in *Clupea alosa*, *Scomber colias*, *S. scomber*).—Pratt, 1898, 351–388, 3 pls. (*anat., life history*); 1900, 371.—Stoss., 1898, 28–29.—Also reported for *Acipenser sturio*, *Trutta salar*, *Pseudocalanus elongatus*.

## APOBLEMA—Continued.

*crenatum* (Rud., 1802) Juel, 1889, 5, 7, 34.—Mont., 1893, 95.—Stoss., 1898, 27–28.  
*crenatum* of Mol.—Juel, 1889, 5, 7, 34.—Mont., 1891, 520, 521, 522; 1893, 95.—  
 Stoss., 1898, 27–28 (in *Merlucius esculentus*; Trieste).

*excisum* Mont., 1891, 520 (for *excisum*).

*excisum* (Rud., 1819) Juel, 1889, 5, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 38, 39, 40, 41, figs. 1–16.—Braun, 1892, 48; 1892a, 607, 609, 711, 713, 744; 1892h, 728, 729.—Lander, 1904a, 7, 21, 24.—Looss, 1894a, 173, 210, 216, 224; 1896b, 133.—Luehe, 1898, 624.—Mont., 1891, 503, 517, 520 (*excisum*), 521, 522; 1893, 6, 7, 95.—Pratt, 1898, 356.—Par., 1902, 5 (in *Scomber colias*, *S. scomber*), 375.—Stoss., 1898, 28.

*grandiporum* Mol. See Mont., 1891, 521.

*grandiporum* (Rud., 1819a) Juel, 1889, 6, 7, 23, 29, 34.—Looss, 1896b, 123; 1899, 641 (to *Hemirurus*).—Mont., 1891, 520.

*labri rupestris* (Ols., 1876) Mont., 1891, 518, 522.

*microporum* (Mont., 1889) Mont., 1891, 516, 521.

*mollissimum* Mont., 1893, 96 (for *mollissimum*).

*mollissimum* (Levin., 1881) Juel, 1889, 6–7, 29, 34.—Jacoby, 1900, 3.—Lander, 1904a, 14, 20 (to *Hemirurus*).—Looss., 1896b, 121–130, 136, pl. 9, figs. 85–87 (in *Alosa finta*); 1899b, 641 (to *Hemirurus*), 728 (*H. bothryophorus*) (in *Alosa finta*; Egypt).—Mont., 1891, 520 (*mollissimum*), 521 (*mollissimum*); 1893, 95, 102, 105.—Odh., 1905, 359 (of Looss, 1896, as syn. of *Lecithaster confusus*).—Ofenheim, 1900, 179.—Staff., 1904, May 3, 484 (of Levin., as syn. of *Lecithaster bothryophorus*).—Stoss., 1898, 29–30.

*mollissimum* Mont., 1891, 521 (for *mollissimum*).

*mollissimum* Mont., 1891, 520 (for *mollissimum*).

*ocreatum* (Ols., 1868 nec Rud.) Mont., 1891, 520.

*ocreatum* (Rud., 1802a) Juel, 1889, 4–5, 7, 31, 33, 34, 40.—Braun, 1891d, 423; 1892a, 643.—Lander, 1904a, 1 (of Juel, syn. of *Hemirurus crenatus* (Rud.)).—Looss, 1899b, 639 (=Dist. *carolinæ* Stoss., type of *Pronopyge*, 1899).—Luehe, 1901, 399.—Mont., 1891, 15; 1891, 501, 508–512, 514, 516, 521, pl. 4, figs. 1, 5, 7, 10, 11, 14, 15c (syns. *D. ventricosum* Ben., *D. carolinæ* Stoss., 1889); 1893, 508; 1893, 61, 84, 95, 98, 99, 102, 191, pl. 1, fig. 16.—Pratt, 1898, 352.—Stoss., 1898, 29.

*rufoviride* (Rud., 1819) Juel, 1889, 6, 7, 8, 13, 19, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 39, 41, fig. 18.—Barbagallo & Drago, 1903, 409 (in *Anguilla vulgaris*, *Conger vulgaris*; Catania).—Braun, 1892a, 711.—Jacoby, 1900, 3.—Lander, 1904a, 7.—Looss, 1894a, 224.—Mont., 1891, 520, 521; 1893, 53, 95, 191, pl. 1, fig. 5.—Par., 1902, 5 (in *Anguilla vulgaris*, *Conger vulgaris*, *Nettaetoma melanura*, *Rhombus lavis*, *Saurus griseus*, *Trigla cuculus*).—Stoss., 1898, 29.

*scabrum* (Mueller, 1788) Juel, 1889, 5.—Mont., 1891, 520.

*sluiteri* (Brock, 1886) Braun, 1892, 48; 1892h, 729; 1893b, 179.—Looss, 1894a, 234 (to *Eurycolum*, type).

*stossichi* Mont., 1893, 87 (for *stossichii*).

*stossichii* Mont., 1891, 501, 502, 512–516, 520, 521, pl. 4, figs. 2, 3, 4, 8, 9, 13, 15a, 16, 17 (syn. Dist. *ocreatum* Mont., v. 1, p. 87 (in *Clupea aurita* Cuv., *C. pilchardus* Wall.); 1891, 19 (*D. ocreatum* p. p.); 1893, 53, 61, 95, 96.—Barbagallo & Drago, 1903, 410 (*stossichi*) (in *Alosa sardina*; Catania).—Jacoby, 1900, 3.—Luehe, 1901, 399.—Odh., 1905, 351.—Stoss., 1898, 30.

*tornatum* (Rud., 1819) Juel, 1889, 6, 29, 31, 34, 40.—Looss, 1896, 125.—Mont., 1891, 516, 520, 521; 1893, 95.

*ventricosum* (Rud., 1819) Mont., 1893, 191.

[APOLEMA Hulst, see Zool. Rec., 1896, v. 33, Ins. 250.]

APOPLEMA Linst., 1904, 252 (for Apoblema).

APOROCOTYLE Odhn., 1900, 62–66 (m. simplex).

*simplex* Odhn., 1900, 62–66, 1 fig. (on gills of *Pleuronectes flesus* and especially *Pl. limanda*, the latter given as type host; Kristineberg, Sweden).—Mont., 1903, 335.

ASCOCCELI Burm., 1837, 531.—Braun, 1890a, 515 (includes *Gyrodactylus*, *Hirudineae*).—Mont., 1888, 83.—Tasch., 1879, 233.



- ASCOCOTYLE Looss, 1899b, Dec., 584-585, 586, 611 (tod. coleostoma); *ὁ ἀσκός*, Schlauch; *ἡ κορύλη*, Napf; 1902m, 441, 824, 832, 833.—Braun, 1902b, 30.—Jägers., 1903a, 14.—Pratt, 1902a, 888, 894 (key).
- coleostoma* (Looss, 1896) Looss, 1899b, 582, 585, 699.
- minuta* Looss, 1899b, 585, 698-699 (in middle portion of small intest. of dogs and cats, in Cairo, Egypt, and in intest. of *Ardea cinerea* at Damietta; probably contracted from eating fish), 700, 701, fig. 23; 1901, 205.
- ASPIDOBOTHRIDÆ Mont., 1888, 91 (f. for *Aspidogaster*); 1892, Oct. 7, 195.—Braun, 1893b, 188.
- ASPIDOBOTHRIDÆ Mont., 1888, 51 (*Aspidobotridæ*), 63, 67 (*Aspidobothridæ*). 71, 72, 90, 91 (*Aspidobotridæ*), 103, 107, 108; 1892, Oct. 7, 168 (revision), 195, 196, 197, 198 (diagnosis), 199 (key), 198-209, 213 (f. of *Aspidocotylea*); 1893, 36, 82, 114.—Braun, 1893a, 886, 888, 890, 891, 894, 895; 1893b, 188.—Gamb., 1896a, 73.—Kofoid, 1899, 179.—Nickerson, 1901, Mar. 8, 378; 1902, 597, 599, 606, 608, 612, 613, 614, 616.—Poche, 1907, 125.—Pratt, 1902a, 887, 891 (key; contains: *Macraspis*, *Stichocotyle*, *Aspidocotylus*, *Platyaspis*, *Cotylaspis*, *Cotylogaster*, *Aspidogaster*, *Lophotaspis*).—Stoss., 1898, 19 (*Aspydobothridæ*), 1899, 3, 4.
- ASPIDOBOTHRIDÆ Burm., 1856a, 252.—Braun, 1890a, 516; 1893b, 188.—Mont., 1888, 84, 107.—Poche, 1907, 125.—Tasch., 1879, 233, 258.
- ASPIDOBOTRIDÆ Mont., 1888, 52, 63, 91 (for *Aspidobothridæ*); 1892, Oct. 7, 213 (f. of *Aspidocotylea*).
- ASPIDOCOTYLEA Mont., 1892, Oct. 7, 213 (suborder of Trematoda, for *Aspidobothridæ*).—Braun, 1893a, 890, 891, 894, 895, 917; 1893b, 188; 1895, 136.—Gamb., 1896, 73.—Kofoid, 1899, 179.—Looss, 1899, 543.—MacCallum, 1902, 636.—Odhn., 1902, 43, 44, 45.—Pratt, 1900a, 645, 646 (included in *Digena* of Ben.), 647 (key); 1902a, 887, 891 (key).—Schneidmuehl, 1896, 295.—Ward, 1903, 864.
- 1896: *Aspidocotylea* Schneidmuehl, 1896, 295.
- ASPIDOCOTYLE Dies., 1850a, 288, 413 (m. mutabile) for *Aspidocotylus*; 1858e, 314, 372.—Braun, 1890a, 546; 1893a, 887, 888, 890, 891, 892, 895, 904 (g. of *Amphistomidæ*), 907, 918; 1893b, 188.—Burm., 1856a, 251.—Hoyle, 1890, 539.—Kofoid, 1899, 181.—Looss, 1902, 428.—Mont., 1888a, 89, 91; 1892, 207; 1892, Oct. 7, 196, 197, 198, 213 (g. of *Aspidobothridæ*).—Nickerson, 1902, 612.—Pratt, 1900a, 647.—Tasch., 1879, 256, 259-260.
- 1892: *Aspidocotyle* Mont., 1892, Oct. 7, 197, misprint.
- cochleariforme* (Dies., 1838) Mont., 1892, Oct. 7, 207-208, fig. 6 (in *Cichla temensis*; Rio Negro, Brazil) (syn. mutabile).
- mutabile* (Dies., 1839) Dies., 1850a, 413 (int. of *Cataphractus* n. sp.; Rio Negro, Brazil) (includes *A. cochleariformis* as syn.).—Braun, 1893a, 907 (in *Cichla temensis*; Brazil).
- mutabilis* (Dies., 1839) Dies., 1858e, 372 (in *Cichla temensis* Humboldt).—Tasch., 1879, 256, 260 (syns. *Aspidocotylus cochleariformis* Dies., *A. mutabilis* Dies.) (in *Cataphractus* sp.; Rio Negro).
- [ASPIDOCOTYLEEN Looss, 1902m, 418. German name.]
- ASPIDOCOTYLUS Dies., 1838a, 189; 1839a, 234 (m. mutabilis); 1850a, 413, renamed *Aspidocotyle*.—Braun, 1892a, 568; 1893a, 879, 884.—Cobbold, 1877f, 326; 1877, 235, 237, 238; 1879b, 360.—Crep., 1841, 82.—Duj., 1845a, 479.—Lejtenyi, 1881a, 2.—Nord., 1840, 601.—Pratt, 1902a, 887, 891 (key).
- 1850: *Aspidocotyle* Dies., 1850a, 288, 413 (m. mutabile).
- cochleariformis* Dies., 1838a, 189 (in *Cataphractus* N. 150); 1839a, 234; 1850a, 413 (syn. of *Aspidocotyle mutabile*).—Cobbold, 1877, 237.—Mont., 1892, Oct. 7, 207 (to *Aspidocotyle*).—Tasch., 1879, 260 (syn. of *Aspidocotyle mut.*).
- mutabilis* Dies., 1839a, 234, pl. 15, figs. 20-22 (in *Cataphractus*; Rio Negro, Brazil) *A. cochleariformis*, renamed; 1850a, 413 (to *Aspidocotyle*); 1858e, 372.—Braun, 1892a, 580.—Cobbold, 1877, 237, 238; 1879b, 360.—Crep., 1841, 82.—Duj., 1845a, 479.—Mont., 1892, Oct. 7, 207 (syn. of *Aspidocotyle cochleariforme*).—Nord., 1840, 601 (in *Cataphractus* sp.; Amériq. méridion.).—Tasch., 1879, 260 (to *Aspidocotyle*).
- sonsinii* (Cobbold, 1877) Cobbold, 1877e, 238, to *Gastrodiscus*.
- ASPIDODASTER Mont., 1892, Oct. 7, 213, misprint for *Aspidogaster*.

**ASPIDOGASTER** Baer, 1826a, 124; 1827b, 525-557 (m. *conchicola*): 1828e, 671-678.—Ben., 1858a, 1861a, 11, 172, 345; 1882b, 14, 15, 16.—Bettend., 1897, 339.—Blainv., 1828, 584-585.—Blochmann & Bettend., 1895a, 216, 217.—Braun, 1890a, 480, 515, 516; 1890b, 127; 1892a, 568, 576, 586, 603, 614, 660, 671, 672, 673, 675, 688, 689, 704, 709, 711, 715, 716, 730, 731, 757, 758, 774, 775, 777, 779, 792, 843, 879, 884, 886, 887, 888, 889, 890, 891, 894, 896, 897, 917; 1893b, 177, 178, 179, 187, 188; 1894a, 1149; 1895, 26, 125.—Burm., 1837, 530; 1856a, 240, 252.—Carus, 1863, 478.—Cobbold, 1877, 238.—Crep., 1839, 285-286.—Dies., 1835c, 427; 1839a, 234; 1850a, 288, 414; 1858e, 314, 372-373; 1859c, 438.—Duj., 1845a, 324.—Eichwald, 1829a, 248.—Fraip., 1880c, 418, 443, 445.—Gamb., 1896, 63, 73.—Goldb., 1855a, 18.—Hoyle, 1890, 539.—Jackson, 1888, 642, 643, 646, 654.—Kofoid, 1899, 180, 181, 182, 183, 184.—Lander, 1904a, 5, 10.—Leuck., 1863, 489; 1879, 93, 119, 150, 151; 1886d, 70, 90, 117.—Looss, 1893b, 814; 1894a, 212; 1901, 625; 1902m, 428, 429, 430.—Mont., 1888, 12, 37, 38, 40, 43, 52, 56, 57, 63, 68, 71, 72 (*Aspidogaster*). 83, 84, 89, 91, 95, 103, 107; 1891, 121; 1892, Oct. 7, 170, 172, 175, 176, 180, 184, 185, 186, 187, 188, 189, 194, 195, 196, 197, 198, 199-205, 199 (syns.: *Monost. Rud.*, 1819a, 87; *Aspidonotus* Keber, 1851; *Cotylaspis* Leidy, 1857, 18), 199 (*diagnosis*), 200 (key), 213 (g. of *Aspidobothridae*); 1893, 36, 111.—Moul., 1856a, 235.—Nickerson, 1902, 599, 603, 604, 605, 609, 610, 612, 614, 617, 619.—Nord., 1840, 603 (1. *conchicola*; 2. *limacoides*).—Pag., 1857, 6.—Par., 1894, 140.—Poche, 1907, 125.—Poir., 1885, 102; 1886, 20, 21.—Pratt, 1902a, 887, 892 (key).—Raspail, 1829, v. 22, 556-564.—Shipley, 1904, in 77-106.—Staff., 1900, 405, 412; 1903, 824.—Stoss., 1899, v. 19, in 1-6, 1. pl.—Tasch., 1879, 233, 255, 258 (syns. *Monost. Rud.*, *Aspidonotus* Keber).—Volz, 1899, 232.—Wagener, 1857, 25, 29.—Wallenstedt, 1847, 7.

1851: *Aspidonotus* Keber, 1851a, 19 (m. *conchicola*).

1888: *Aspidogaster* Mont., 1888, 72, misprint.

1892: *Aspidogaster* Mont., 1892, Oct. 7, 213, misprint.

*ascidia* Dies., 1858e, 373 (in *Mentula marina*, by Redit), sp. inq., based on Baer, 1827b, 549 (Redit's worm in *Ascidia mentula*).

*cochleariformis* (Dies., 1838) Cobbold, 1879b, 360 (syn. of *Cotylgaster cochleariformis*), lapsus, see *Gastrodiscus sonsinoi*.

*conchicola* Baer, 1826a, 124 (in *Anodonta*, Unio; Prussia); 1827b, 527-557, pl. 28; 1828, 671-678.—Aubert, 1855, 349-376, pls. 14-15 (anat., development).—Ben., 1858a, 1861a, 206, 210.—Bettend., 1897a, 25.—Blainv., 1828a, 584.—Blochmann & Bettend., 1895a, 216.—Braun, 1883a, 41; 1892a, 579, 592, 597, 598, 602, 631, 632, 637, 639, 640, 641, 642, 645, 655, 677, 678, 679, 687, 693, 699, 707, 712, 713, 715, 725, 731, 747, 749, 776, 780, 783, 790; 1893a, 841, 869, 870, 880, 883, 891, 897; 1893b, 183 (in *Vivipara unicolor*; *Cleopatra bulimoides*); 1893d, 468.—Burm., 1837, 530.—Crep., 1839, 286.—Dies., 1834a, 1231; 1835c, 423, 427; 1858e, 373 (in *Unio purpureus*, *U. nasutus*, *U. radiatus*, *U. cariosus*, *U. pictorum*, *Anodonta marginata*, *A. anatina*); 1859c, 438.—Duj., 1845a, 324-327.—Eichwald, 1829a, 248.—Fil., 1855b, 20; 1857c, 22, 27.—Fraip., 1880c, 418.—Gamb., 1896a, 63.—Gronkowski, 1902a, 515 (8) (*conchicole*).—Hoyle, 1890, 539, fig. 3f, 540 (description).—Jackson, 1888, 650.—Jagers., 1899, 203.—Kath., 1894a, 131.—Keber, 1851a, 19, 90.—Kofoid, 1899, 179, 180, 181, 182, 183, 184, 185.—Kuech., 1855, 184, 185; 1856c, 277.—Leidy, 1851b, 224; 1856b, 45; 1857a, 18; 1858a, 110 (*Anodonta fluviatilis* and *A. lacustris*; Phila.); 1877f, 260; 1904a, 53, 88, 108, 110, 111, 148.—Leuck., 1879, 149, figs. 48, 74; 1886d, 115, figs. 48, 74.—Looss, 1894a, 203; 1901, 624; 1902m, 420, 428.—Maclaren, 1904, 609.—Mont., 1888, 40, 43 (*conchiola*); 1891, 100, 103, 109, 121; 1892, Oct. 7, 172, 186, 188, 191, 195, 197, 198, 200-202, 203, fig. 2 (extensive bibliography); 1893, 111, 114.—Moul., 1856a, 13 (*conchicola*). 25, 144.—Mueh., 1898, 11.—Nickerson, 1902, 606, 614, 620 (in *Unionidae*: Europe and N. America).—Nord., 1832a, 38; 1840, 603.—Odhn., 1902, 44, 45.—Pag., 1857, 35-36, pl. 4, figs. 1-5 (in *Anodonta anatina*).—Poir., 1886, 21.—Sieb., 1836, 217; 1836, 233; 1837, 263; 1838, 143, 144, 156.—Shipley & Hornell, 1904, 95, 98.—Staff., 1895, 22 July, 282-284; 1895, Oct., 536; 1896, 6 July, 477-542, pls. 36-39 (anat.); 1898, 698.—Steenstrup, 1842, 55.—Stoss., 1899, 3.—Tasch., 1879, 258-259 (syn. *Aspidonotus conchicola* Keber).—Voeltzkow, 1888, v. 8, 249-289, pls. 15-20.—Wagener, 1857, 25, 99, pl. 16, figs. 1-3; 1858, 383.

*conchicole* Gronkowski, 1902a, 515, for *conchicola*.

*conchilega* Braun, 1883a, 41, for *conchicola*.

*conchiola* Mont., 1888, 40, 43, for *conchicola*.

## ASPIDOGASTER—Continued.

*conchicola* Dies., 1850a, 414 (for *conchicola*).

*elegans* (Olss., 1868) Mont., 1891, 122 (see 1888, 91); 1892, Oct. 7, 196.

*insignis* (Leidy, 1858) Braun, 1893a, 897.—Kofoid, 1899, 184.—Shipley & Hornell, 1904, 98.

*lenoiri* Poir., 1886, 20–22, pl. 1, figs. 1–3 (in *Tetrathyra vaillantii*; Sénégal).—Braun, 1892a, 580, 716; 1893a, 888, 891; 1893b, 188.—Kofoid, 1899, 181, 182, 184.—Mont., 1888, 42; 1891, 121, 122; 1892, Oct. 7, 198; 1893, 111.—Nickerson, 1902, 613.—Sons., 1896, 294.—Stoss., 1899, 4.

*lenoirii* Mont., 1888, 16, 38, 53, 54, 60, 71, 107 (for *lenoiri*).

*limacoides* Dies., 1834a, 1231; 1835c, 420–430, 1 pl., figs. 1–19 (in *Cyprinus dobula*, C. idus); 1850a, 414–415 (intest. of *Leuciscus idus*, L. *dobula*); 1858e, 373.—Braun, 1892a, 580; 1893a, 897.—Crep., 1839a, 286.—Duj., 1845a, 327.—Jackson, 1888, 650.—Kofoid, 1899, 184.—Kroyer, 1846–53a, 462 [671] (in *Leuciscus idus*).—Looss, 1902m, 420.—Mont., 1888, 71; 1891, 109, 121, 122; 1892, Oct. 7, 172, 195, 200, 202–203, fig. 3; 1893, 114.—Nickerson, 1902, 620 (in *Leuciscus* sp.; Europe).—Nord., 1840, 603.—Shipley & Hornell, 1904, 98.—Stoss., 1899, 3.—Tasch., 1879, 259 (in *Leuciscus idus*, L. *dobula*).—Voeltzkow, 1888, v. 8, 290–292.

*macdonaldi* Mont., 1891, 120; 1892, Oct. 7, 200, 203–204, fig. 4 [in Melo; Shark Bay, Australia].—Braun, 1893a, 870, 897; 1893d, 468.—Looss, 1901, 625; 1902m, 429, 430 (probably belongs to *Lophotaspis*).—Nickerson, 1902, 604, 620 (in Melo; Australia).—Shipley & Hornell, 1904, 98.—Stoss., 1899, 3.

*macdonaldii* Mont., 1891, 121, 122, for *macdonaldi*.

*margaritifera* Shipley & Hornell, 1904, 78, 90, 95–98, pl. 4, figs. 60–62, 66, 68, 69 (*Margaritifer* *vulgaris*; at Cheval Paar, Ceylon); 1905, 55.

*ringens* Lint., 1905, 327, 333, 367, 397, figs. 243–249 (in *Micropogon undulatus*, *Trachinotus carolinus*; Beaufort, N. C.).

sp. Braun, 1892a, 595.

*vallei* Stoss., 1899, 3–4, figs. 6–8 (in *Thalassochelys caretta*, at Corfù).—Looss, 1902m, 415, 418 (to *Lophotaspis* as type) (stomach of *Thalassochelys corticata*; Egyptian coast), 746.

## ASPIDOGASTRIDÆ Poche, 1907, 125.

ASPIDOKOTYLEA Schneidemuehl, 1896, 295 (for *Aspidocotylea*).

ASPIDONOTUS Keber, 1851a, 19–20, 65, 66, 69, 90 (new name for *Aspidogaster*, hence type *conchicola*).—Braun, 1893a, 896.—Mont., 1892, Oct. 7, 199 (syn. of *Aspidogaster*).—Tasch., 1879, 258 (syn. of *Aspidogaster* Baer).

*conchicola* (Baer, 1826) Keber, 1851a, 19, 65, 66, 69, 90; 1854, 45.—Dies., 1858e, 373 (to *Aspidogaster*).—Mont., 1892, Oct. 7, 200, 201 (to *Aspidogaster*).—Tasch., 1879, 259 (to *Aspidogaster*).

ASPITOCOTYLE Mont., 1892, Oct. 7, 197 (for *Aspidocotyle*).

ASPTDOGASTER Mont., 1888, 72, misprint for *Aspidogaster*.

ASPYLOGASTER Mont., 1892, Oct. 7, 187 (for *Cotylogaster*).

ASTIA Looss, 1899b, 590–591, 592 (tod. *renifera*) [not *Astia* Koch, 1879, Arach.; *Astia*, *Asteia*, *Asteja*, ἀστειος, feingebildet; 1900, 602 (renamed *Astiotrema*).—Braun, 1901b, 37.—Pratt, 1903, 34.

*impleta* Looss, 1899b, 590, 703–705, fig. 26 (intestine of *Tetrodon fahaka*; in Nile, at Cairo, Egypt).—Braun, 1901b, 37.—Lyehe, 1900, 561.

*renifera* (Looss, 1898) Looss, 1899b, 590.

ASTIOTREMA Looss, 1900, Dec. 3, 602, 607, *Astia* Looss, 1899 [not Koch, 1879, Arach.], renamed, hence type *renifera*; 1901, 560; 1902, 487, 505, 821.—Pratt, 1902a, 888, 899 (key).

*erinacea* (Poir., 1886) Stoss., 1904, 2 (in *Delphinus delphis*).

*impleta* (Looss, 1899) Stoss., 1904, 2 (in *Tetrodon fahaka*).

*monticellii* Stoss., 1904, 2–3, fig. 3 (in *Tropidonotus viperinus*; Naples).

*renifera* (Looss, 1898) Stoss., 1904, 2 (in *Trionyx nilotica*; Egypt).—Staff., 1905, Apr. 11, 693 (in *Trionyx nilotica*).

ASTOMUM Schlotthauber, 1860, 129 (m. *poricola*).

*poricola* Schlotthauber, 1860, 129 (in *Anas boschas*).

ASYMPHYLODERA Kowal., 1902d, 26 [8], misprint for *Asymphyllodora*.

*perlata* (Nord., 1832) Kowal., 1902d, 26 (8).

- ASYMPHYLODORA** Looss, 1899b, Dec., 558–599 (tod. perlata); *ἀσυμφυλος*, unlike; *ἡ δὲ οὐρά*, skin; 1902, 760.—Luehe, 1900, 487; 1901, 488.—Ofenheim, 1900, 183.—Pratt, 1902a, 888, 902 (key) (related to *Haplometrinae*).  
1902: *Asymphylodera* Kowal. 1902d, 26, [8].
- eripinosa* (Hausmann, 1896) Looss, 1899b, 598, 599.  
*initans* (Mueh., 1898) Looss, 1899b, 598.  
*perlata* (Nord., 1832) Looss, 1899b, 598, 599.—Odhm., 1905, 322.
- ATHESMIA** Looss, 1899b, Dec., 635–637 (m. heterolecithodes) [not *Athetmia* 1816, lepidopteron]; *ἀθέσμιος*, gesetzlos.—Braun, 1901b, 34; 1901h, 702.—Pratt, 1902a, 889, 904 (key).—Stiles, 1901, 189.  
*heterolecithodes* (Braun, 1899) Looss, 1899b, 635; 1902, 789.—Braun, 1901h, 702.—Engler, 1904, 186.—Hollack, 1902a, 867, 868.
- AURIDISTOMUM** Staff., 1905, Apr. 11, 690–691 (m. chelydrae); auris, ear.  
*chelydrae* (Staff., 1900) Staff., 1905, 690 (in *Chelydra serpentina*; Canada).
- AXIME** Moul., 1856a, 10, misprint.—Cosmovici, 1887a, 127 (for *Axine*).
- AXINE** Abildg., 1794, 59–60 (m. belones) [not Oken, 1835, crustacean].—Ben., 1856c, in 643–654, 1 pl., figs. 1–21; 1858a, 1861a, 11, 52, 345.—Ben. & Hesse, 1864, 6, 96.—Braun, 1890a, 407, 414, 416, 420, 426, 437, 445, 448, 451, 453, 454, 458, 463, 468, 469, 483, 484, 485, 490, 492, 494, 498, 511, 515, 516, 517, 518, 523, 540, 541, 546; 1890b, 125; 1891d, 422.—Burm., 1837, 530; 1856a, 251.—Carus, 1863, 478.—Cf., 1895h, 91; 1896, 514.—Cosmovici, 1887a, 127 (*Axime*).—Crep., 1839, 291.—Dies., 1850a, 290, 424, 425; 1858c, 315, 385–386.—Duj., 1845a, 317.—Gamb., 1896, 56, 73.—Goldb., 1855a, 19.—Goto, 1891a, 161, 169, 178, 183, 184; 1891c, 103; 1893a, 798.—Haswell, 1892a, 459; 1892b, 149; 1893c, 114.—Hoyle, 1890, 537, 539.—Ijima, 1884c, 638, 639.—Jackson, 1888, 642, 644, 645, 646, 647, 648, 654.—Juel, 1889, 33.—Kath., 1894a, 143, 152, 155.—Kerbert, 1881a, 573.—Kroyer, 1846–53a, 273; 1852–53a, 1221 (in *Belone rostrata* Fab.).—Looss, 1885b, 5, 10, 15, 17, 18; 1892, 72.—Lorenz, 1878a, in 405–436, pls. 31–33.—Mont., 1888, 11, 15, 34, 40, 52, 53, 59, 60, 61, 66, 83, 84, 86, 89, 101; 1893, 111; 1903, 336 (subf. *Axininae*).—Moul., 1856a, 10 (*Axime*).—Par. & Perugia, 1890, 13.—Pratt, 1900a, 646, 653 (key), 657, fig. 40.—St.-Remy, 1898, 562–563.—Stoss., 1898, 14.—Tasch., 1879, 40, 45, 56, 58, 61, 66, 69; 1879, 233, 255–256 (syn. *Heteracanthus* Dies.).—Wallenstedt, 1847, 7.—Ziegler, 1883, 557.  
1856: *Axime* Moul., 1856a, 10.
- aberrans* Goto, 1894a, 198–199, pl. 7, figs. 5–6 (in *Belone schismatorhynchus*; Hagi, Japan).—St.-Remy, 1898, 563.
- belones* Abildg., 1794d, 59–60, pl. 6, fig. 3, a–b (in *Belone acus*).—Ben., 1856a; 1856c; 1857i; 1858a, 1861a, 52–54, 168, 169, 196 (in *Esox belone*); 1870, 80.—Blainv., 1828a, 568.—Braun, 1889k, 621; 1890a, 418, 424, 428, 436, 437, 443, 472, 477, 488, 494, 514, 541, 549, 550; 1891a, 52.—Crep., 1838b, 83–96 (syns. *Heteracanthus pedatus*, H. *sagittatus*); 1839a, 291; 1839, 163.—Dies., 1850a, 425 (syns. *Heteracanthus pedatus*, H. *sagittatus*); 1858c, 385–386; 1859c, 444.—Duj., 1845a, 317.—Goto, 1894a, 196.—Hoyle, 1890, 539, 540.—Juel, 1889, 36.—Kath., 1894a, 155.—Kroyer, 1846–53a, 273 (in *Belone rostrata*).—Lorenz, 1878, —.—Mont., 1888, 8, 15; 1890, 422; 1893, 111.—Moquin-Tandon, 1846, 13, 395.—Nord., 1840, 598 (syn. of *Heteracanthus pedatus* Dies.) (in *Esox belone*).—Oken, —, 357, pl. 10.—Par., 1902, 3 (in *Belone acus*, *Exocoetus volitans*; Portoferrajo).—Par. & Perugia, 1890, 8.—Sieb., 1839, 163.—Stoss., 1890, 44; 1890, 52; 1898, 14.—Tasch., 1879, 35; 1879, 256 (syns. *Axine orphii* Ben. & Hesse, *Heteracanthus pedatus*, H. *sagittatus* Dies.) (in *Belone acus*).—Ziegler, 1883, 545.—Also reported for *Belone vulgaris*.
- heterocerca* Goto, 1894a, 197–198, pl. 7, figs. 1–4, pl. 8 (on *Seriola quinqueradiata*; Japan).—Pratt, 1900a, 657, fig. 40.—St.-Remy, 1898, 563.
- orphii* Ben. & Hesse, 1863, 116; 1864, 116–117, pl. 12, figs. 19–27 (in *Esox belone*).—Braun, 1890a, 418.—Tasch., 1879, 256 (syn. of *A. belones*).—Also reported for *Belone vulgaris*.
- platyura* Crep., 1838b, 83 (syns. *A. belones*, *Heteracanthus pedatus*, H. *sagittatus*).—Sieb., 1839, 163.
- triangularis* Goto, 1894a, 200–201, pl. 7, figs. 7–8 (on *Acanthias schlegelii*; Misaki, Japan).—St.-Remy, 1898, 563.
- trigla* Ben. & Hesse, 1863, 117; 1864, 117 (*Trigla hirundo*).—Braun, 1890a, 418, 541, 549 (Brest), 552.—Tasch., 1879, 256 (in *T. hirundo*).

- AXININÆ Mont., 1903, 336 (subf.; f. Microcotylidæ).
- AZIGIA Staff., 1904, May 3, 488, misprint for Azygia.
- tereticolle* (Rud., 1802) Staff., 1904, 488 (*Esox lucius*, *Lota maculosa*, *Ameiurus nigricans*; Canada).
- AZYGIA Looss, 1899b, Dec., 569–570, 579, 580 (m. *tereticollis*); ἀζυγῆ, ἀζυγος, unbunden; 1902, 839.—Braun, 1901b, 33.—Darr, 1902, 667.—Luehe, 1900, 489, 490.—Marshall & Gilbert, 1905, 477, 484.—Odhn., 1905, 328.—Pratt, 1902a, 888, 897 (key).—Staff., 1904, May 3, 483, related to *Otodistomum*, 489.—Stoss., 1904, 199.
- 1904: *Azigia* Staff., 1904, May 3, 488, misprint.
- loossii* Marshall & Gilbert, 1905, 483–485, pl. 15, figs. 5–7 (*Micropterus salmoides*, *Lucius lucius*, *Amia calva*).
- tereticollis* (Rud., 1802) Looss, 1899b, 570; 1901, 119; 1902, 456, 457.—Cohn, 1902k, 47.—Darr, 1902, 688.—Heymann, 1905, 85.—Kowal., 1902d, 26 (8) (in *Perca fluviatilis*); 1904, 24 (9) (in *Esox lucius*; Galicia).—Luehe, 1900, 491.—Marshall & Gilbert, 1905, 484, 485.—Odhn., 1905, 363.—Staff., 1904, 488.—Ward, 1903, 861.—Reported for *Esox lucius* L., *Lota maculosa* Le S., *Ameiurus nigricans* Le S.
- BALANORCHIS Fischder., 1901, 374–375 (m. *anastrophus*); 1902a, 49–50; 1903h, 490.—Pratt, 1902a, 887, 893 (key).—Shipley, 1905, 8.
- anastrophus* Fischder., 1901, 375 (*Cervus dichotomus*); 1902a, 50–52, fig. 4 (syn. *Amphist. conicum* Dies., 1835 e. p.) (in *C. dichotomus*; Brazil).
- BARIS Looss, 1899b, Dec., 669–670 (m. *proteus*) [not *Baris* Germ., 1817, coleopteron]; ἡ βαρὶς, ägyptischer Nachen; 1900d, 602 (renamed *Deuterobaris*).—Stiles, 1901, 189.
- proteus* (Brand., 1891), Looss, 1899b, 669, 770–772, fig. 82.—Braun, 1901b, 38, 54.
- BATHYCOTYLE Darr, 1902a, 644–662 (m. *branchialis*), 678, 687, 691, 696; 1902b.
- branchialis* Darr, 1902a, 644–662, pl. 23, figs. 1–15 (in mackerel; Pemba, German East Africa); 1902b, 735–736.
- BENEDENIA Dies., 1858c, 313, 363–364 (m. *elegans*=*sciænæ*; in *Sciæna aquila*; Ostend) [not of Gray, 1864, mammal; not of Schneider, 1875, protozoon]; 1859c, 437.—Braun, 1890a, 518.—Mont., 1888, 87; 1902, 143.—Odhn., 1905, 371.—Tasch., 1878, 566 (syn. of *Trist. Cuv.*).
- elegans* Dies., 1858e, 364 (new name for *Epibdella sciænæ* in *Sciæna aquila*; prope Ostendam); 1859c, 437.—Sons., 1891, 263.—Tasch., 1878, 565.
- hendorffi* (Linst., 1889) Linst., 1903, 355 (in *Coryphæna*), *Epibdella* (*Benedenia*).
- ishikawa* (Goto, 1894) Linst., 1903, 356, E. (*Benedenia*), from *Lethrinus*.
- monticellii* (Par. & Perugia, 1895) Linst., 1903, 356, E. (*Benedenia*), from *Mugil. ovata* (Goto, 1894) Linst., 1903, 356, E. (*Benedenia*), from *Anthias*.
- sciænæ* (Ben., 1856) Linst., 1903, 355, E. (*Benedenia*), from *Sciæna*.
- BILARZIA Mazzei, 1905a, 657, for *Bilharzia*.
- BILHARCIA de Bonis, 1882, 115, for *Bilharzia*.
- BILHARTZIA Sons., 1877, 652, for *Bilharzia*.
- BILHARXIA Semprum, 1890, 596, for *Bilharzia*.
- (BILHARZIA) written as subg. of *Dist.* by some authors, as Bomford, 1887a, but probably not intended as a subg. in all cases.
- BILHARZIA Cobbold, 1859d, 364 (m. *hæmatobia*); 1876, 488, 756; 1879, 17, 39, 42, 44, 45, 47, 48, 49, 52; 1883i, 106–107, figs. 1–2; 1885a, 498–500, figs. 211–213.—Alexander, 1906, Mar. 1, 69.—Beach, 1899, 103.—R. Bl., 1888a, 541, 543; 1888u, 832, 833, 1 fig.; 1904, 153.—Brand., 1892, 507.—Braun, 1891d, 426; 1892a, 573, 574, 603, 698, 707, 715, 735, 760, 764, 765, 788, 790; 1893a, 878, 879, 882, 885, 886, 890, 893, 894, 895, 908, 912, 918; 1895b, 125, 127, 129, 136, 151; 1900h, 3; 1901, 562; 1902b, 140, 142; 1903, 3 ed., 168.—Brock, 1893b, 622–625.—Catto, J., 1904, Nov. 19, 1411 (new species of).—Chatin, 1887, 1003–1006; 1887, 595.—Coe, 1896a, 562, 564, 566, 567.—Darr, 1902a, 649.—Fischer, 1883a, 41.—Fritsch, 1888a, 192–223, 1 fig., pls. 11–12, figs. 1–14 (anat.); 1888b, 588.—Gamb., 1896a, 73.—Grassi & Rovelli, 1888c, 799.—Hahn & Lefèvre, 1884a, 515; 1884, 805, 806.—Harrison, 1889, 163.—Higgins, 1906, 887.—Hoyle, 1890, 539.—Huber, 1894, 297.—Jackson, 1888, 644, 646, 648, 649, 654.—Juel, 1889, 37.—Kartulis, 1885c, 364, 1 fig.—Kholodk., 1898, 23, 25, 32.—Kowal., 1895g, 2, 3, 5, 15, 23, 24, 25, 42, 43, 45, 55, 63, 64, 65; 1896g, 70; 1896i, 8 [352].—

## BILHARZIA—Continued.

- Leuck., 1863, 617.—Looss, 1892, 81, 82; 1894a, 179; 1896b, 2, 167; 1899b, 536, 538, 542; 1901, 196.—Moniez, 1896, 83, 154.—Montgomery, 1906, Feb. 12, 18.—Mont., 1888a, 7, 11, 15, 34, 37, 51, 61, 62, 84, 92, 105; 1892, Oct. 7, 214; 1893, 43, 82, 87, 94, 107, 154; 1896, 162, 163.—Sambon, 1899, v. 2, 117–120, 2 figs.—Schneidemuehl, 1896, 295.—Shipley, 1905, v. 6 (1), 4.—da Silva Lima, 1877, Nov., 489.—Sons., 1874, 71–83; 1882, June 10, 620–621; 1890, 134.—Stiles, 1898, 60; 1903, 77.—Stiles & Hass., 1898a, 83, 93, 94.—Villeneuve, 1892, 153–157.—Vogt, 1878, 9, 14.—See also *Schistosoma*. For additional medical papers on infections with species of *Bilharzia*, see also *Bilharziosis*.
- 1877: *Bilhartzia*, Sons., 1877, 652.
- 1882: *Bilharzia de Bonis*, 1882, 115.
- 1890: *Bilharzia Semprum*, 1890, 596.
- 1905: *Bilartzia Mazzei*, 1905a, 657.
- boris* Sons., 1876, 84–87, fig. (in *Bos taurus*; Egypt); 1876, 280; 1876, 400; 1876, 594–595; 1876, Oct. 18, 631–632; see *Gynaecophorus crassus*; 1877, 651.—Barbagallo, 1899c, 279.—R. Bl., 1888a, 650.—Bomford, 1887a, 54; 1887b, 345–346.—Braun, 1892a, 763; 1893a, 912; 1895, 154.—Cobbold, 1876, 489; 1876m, 781; 1879b, 332.—Dav., 1877, 943.—Grassi & Rovelli, 1888.—Huber, 1894, 302.—Kowal., 1895g, [3] 43 (syn. of *B. crassa*).—Laveran & R. Bl., 1895, 101–104.—Stiles, 1898a, 60.—Stoss., 1892, 6 (syn. of *Gynaecophorus crassus*).—Ward, 1895, 332 (in *Bos taurus*), 335 (in *Ovis aries*).
- capensis* Harley, 1864a, 63 (in *Homo*; Cape of Good Hope).—R. Bl., 1888a, 644.—Bourel-Roncière, 1888a, 130.—Cobbold, 1872b, 89 (syn. of *B. haematobium*).—Dolley, 1894a, 982.—Dav., 1877, 941.—Gues, 1879a, 169.—Stiles, 1898a, 58.—Ward, 1903, 872.
- crassa* Sons., 1888, 124, 125; 1895, 124; 1896, 79; 1896, 309, 318.—Barbagallo, 1899a, 10 pp. (in *Sicilia*); 1899b, 15–16; 1899c, 277–285.—R. Bl., 1888a, 650.—Braun, 1893a, 876, 882; 1893d, 467; 1902b, 143.—Cobbold, 1885a, 498, 499, 500, fig. 213; 1885b, 985.—Colloridi, 1891a, 856.—Gamb., 1896, —.—Gomy, 1897a, 377.—Kowal., 1895g, [3, 4], 43, 44 (syn. *B. bovis*); 1896g, 64; 1896i, [8], 352; 1897b, 2, 3; 1898h, 150, [47].—Looss, 1892a, 81; 1895, 3, 12, 13, 32, 38, 39, 48, 98; 1896b, 159.—Moniez, 1896, 159, 168.—Sanfelice & Loi, 1896, Sept. 12, 305–307.—Stiles, 1898a, 60.—Ward, 1895, 332 (in *Bos taurus*), 335 (in *Ovis aries*).
- ematobia* Sons., 1884, 20, 21.
- endemica* Sons., 1884, 17–21 [not used as specific name, but in the sense of *Bilharzia*, endemic in, etc.].—Huber, 1894, 303.
- haematobia* (Bilharz, 1852) Cobbold, 1859d, 364; 1864g, 157; 1866, 6; 1872b, 89–92, figs. a–w; 1872c, 636–646, figs. a–u; 1876m, 780; 1876h, 211, 212; 1876n, 488; 1879b, 38–56, 181, 185, 289, figs. 7–16, 19; 1880c, 59; 1882, Jan., 2; 1882c, 84; 1882f, 272; 1883i, 107, figs. 2–3; 1883, 401; 1885a, 498, 499, 500, figs. 211–212 (syns. *B. magna*, *Dist. haematobium*); 1885b, 985.—Agnew, 1881, 538.—Aitken, 1866, 804, 839–841; 1872, 146.—Albany M. Ann., v. 9, 202.—Albarran & Bernard, 1897a, 645–647; 1897b, 1096–1123, pl. 11.—Allen, 1882, July 15, 51–53; 1883, 15, 660–661; 1888, 310.—Almeida Couto, 1872, 4, 5, 6, 7, 10, 13, 14, 16, 17, 18, 24, 30, 42.—Auden, 1904, Apr. 30, 1235.—Barbagallo, 1899c, 277, 278, 279, 282.—Batho, 1872a.—Bays, 1901a, 825.—Belleli, 1885b, 54–56, figs. 19–20.—Ben., 1878a, 276.—Birch-Hirschfield, 1889, 302.—Birt, 1904 (10), 421–422.—Bizzozzero, 1883, 220, fig. 80.—R. Bl., 1887a, 500–507; 1888a, 636–652, figs. 330–335 (syns. *Dist. haem.*, *Gynaecophorus haem.*, *Schist. haem.*, *Thecosoma haem.*, *Dist. capense*); 1888c, 193; 1888r, 51; 1890, 54; 1891p, 604–615.—de Bonis, 1882, 115.—Booth, 1882a, 81–84.—Bowlby, 1889a, 891; 1889b, 786; 1891a, 136; 1891b, 194–195.—Brault, 1887.—Braun, 1891d, 426; 1892a, 571, 572, 602, 606, 640, 673, 674, 740, 764, 765, 766, 778, 783, 785, 876, 882, 911; 1893a, 912, pl. 25, fig. 10; 1893b, 187; 1893d, 467; 1895b, 152–154, figs. 69–71.—Brock, G. S., 1893a, 52–74, pls. 8–10, figs. 1–17.—Brooks, 1897a, 492–493.—Bull. med., 1888, v. 2, 918; 1890, v. 4, 281.—Buttel-Reepen, 1900a, 590; 1902, 188, 191, 193.—Cadet, 1876.—Calvert, 1902c, 1523 (*haematobia*).—Chaker, 1890a.—Chatin, 1881, 11; 1887a, 595–597; 1887, 129; 1887, 1003.—Childe, 1899a, 644; 1899, 318.—Chute, 1888a, 85–87, 89–91, figs. 1–8.—Coles, 1902a, 1137–1138.—Colloridi, 1891a, 854–864.—Cortet, 1893.—da Costa, 1884, 935.—Crevaux, 1874a, 177.—Crocker, 1883a, 25–28.—Curetton & Webb, 1899a, 156 (from *S. Africa*).—Curtis, 1896a, 56–58.—Damaschino, 1882, 949.—Dav., 1877, 909, 952.—Davies, 1884, 181.—Deblenne, 1885.—Dight, 1887a, 420–424

## BILHARZIA—Continued.

- (hæmatobium).—Dunglison, 1893, 142, 502, 518, 820.—Ebstein, 1884, 45, etc.—Ensor, 1904, Nov., 575-576.—Eve, 1888a, 184.—Fenwick, 1888a, 344-346.—Fenwick & Harris, 1888a, 183-184.—Fouquet, 1885a, 677-680, 693-696.—Fritsch, 1885, 30.—Gamb., 1896, 4, 63, 68-70, fig. 34.—Gautrelet, 1885a, 577-579; 1885, 138.—Gozalez, 1904, 193-194 (hematobium).—Grassi & Rovelli, 1888, 799; 1888d, 284.—Gues, 1879a, 169-175.—Guillemaud, 1882; 1883a; 1884, 4; 1894a.—Gutch, 1900a, 1222.—Harley, 1864a, 62, 63 (to Dist.).—Harrison, 1889a, 163.—Hartley, 1887a, 214.—Hatch, 1878a, 874-875, figs. 1-2; 1887a, 875; 1887b, 760-761; 1903a, 772 (in India); 1903b, 225.—Handford, 1894, 48.—Herff, 1894, 415 (syn. Dist. bilharzii).—Hertwig, 1892.—Hirsch, 1883, 206-209.—Hoyle, 1890, 538-540, fig. 4a.—Huber, 1896a, 580-582.—Ijima, 1889b, 155.—Jackson, 1888, 653.—Jacoby, 1900, 3.—Jaksch, 1889, 42; 1892, 122.—Jamieson, 1897b, 147.—J. Trop. M., 1905, 335.—Kartulis, 1885e, 364, 1 fig.—Keating, —, 768-773, fig. 7.—Kholodk., 1898, 32-33, pl. 11, figs. 22-25.—Kowal., 1895g, [3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 23, 24, 25, 26], 43, 44, 46, 47, 48, 49, 50, 51, 52, 53, 55, 56, 57, 58, 59, 60, 63, 64, 65, 66; 1896g, 64, 66, 67, 68, 70, 71; 1896i, [4, 7, 8, 9, 10], 348, 351, 352, 353, 354; 1896l, 146, 147; 1898g, 75; 1898h, 150, 151, 152, 155, 158, [47, 48, 49, 52, 55].—Kuech., 1879, 340-354.—Kuech. & Zuern, 1881, 340, pl. 8, fig. 13.—Lawson, 1904a, 263-271, figs. 1-6.—Leuck., 1876, 873; 1893, 464-534, fig. 231.—Lewis, 1900a, 1057-1058.—Lockwood, 1901, 2, ed., 821.—Looss, 1892a, 82; 1896b, 2, 64, 158-166, 167, pl. 11, figs. 107-114; 1905, 100.—Lortet & Vialleton, 1894, 8.—Lyle, 1883, 113.—Mackie, 1882, Oct., 661.—Madden, 1899.—Manson, 1901, 542 (syn. Dist. hæm.); 1903, 3, ed., 605-616, 639, figs. 86-89.—Mitchell, 1870a, 3.—Moniez, 1896, 170.—Montgomery, 1906, Feb., 18.—Mont., 1888, 9, 15, 17, 18, 67, 68, 69; 1893, 27, 86.—Monvenoux, 1884.—Moore, 1885, 89.—Moty, 1893, 51.—Nachtigal, 1879, 151.—Napier, 1887, 460; 1890, 88-91; 1892.—Neumann, 1888, 547-548, fig. 272; 1892, 2, ed., 610-611, fig. 321; 1892, 632-633, fig. 321.—N. Y. M. J., 1896, v. 64, 586.—Nitze, 1891, Feb. 16.—Num, 1888, 407-410.—Packard, 18—, 523.—Pariera, 1877.—Parker, 1889, 71; 1891, 80, 124, 683.—Perroncito, 1882, 279-283, figs. 122-123.—Petrie, 1903, July, 133-134.—Rail., 1892, 161; 1893a, 371-375, figs. 245-246.—Rathelot, 1892.—Rathery, 1907, 48.—Ratz, 1899, 617.—Rawitz, 1893, 858-859.—Rendall, 1904, Mar., 755-756.—Roberts, 1879, 452; 1888, 700, 801.—Rogers, 1901, 95.—Rosenstein, 1892; 1894, 654.—Ross, 1904, 687.—Rossbach, 1906, 414.—Ruault, 1885, 56.—Ruetimeyer, 1892, 144.—Seligmann, 1897, Dec., 834.—Sewell, 1904, Nov., 575.—Shattock, 1891, 196.—Shaw, 1901, 19.—Silva Araujo, 1877, Nov., 499.—Silva Lima, 1877, Sept., 388, 389.—Simon, 1897, 99.—Simpson, 1871, 212-215; 1872, Mar., 123.—Sons., —, 743; 1874, 502; 1874, 71; 1874, 305-321; 1875, 738; 1876, 3-17, 33-46, 1 pl., figs. 1-9; 1876, 233-235; 1876, 376; 1876, 283; 1877, 297-307; 1877, 651; 1878, 611; 1879, 9; 1884, 365; 1885, 1197; 1887; 1888, 119-127; 1894, 754; 1896, 79; 1896, 287, 295, 298-299, 307, 309, 311, 314, 315, 320-329; 1897, 259.—Stevenson, 1892, 274.—Stoss., 1892, 5 (to Gynæcophorus).—Symmers, 1905, v. 168, 1138.—Thurn, 1882.—Tyson, 1903, 3rd, 1181.—Ultzmann, 1878, 34.—Unione M. egiz., 1884-5, 1, nos. 20-21.—Verrill, 1870, 170.—Villeneuve, 1891, 321; 1891, 556; 1891, 398; 1892, 153, etc.—Virchow, 1888, 368; 1891.—Vogt, 1878, 10, fig. 1, 36.—Walker, 1900, 651; 1900, 390-392; 1905, 207-209.—Ward, 1895, 253, 327; 1903, 872 (to Schist.).—Wortabet, 1880, 603; 1882.—Worth, 1904, Feb. 27, 611.—Zancarlo, 1882, 410.—Zuelzer, 1894, 205.—Zuern, 1882, 220.
- anatomy and histology of: Brock, 1893a; 1893b; 1894a.—Chatin, 1887a, 595-597; 1887b; 1887c; 1887d (excr., genital organs).—Fritsch, 1885a, 407, 411; 1888a, 192-223, pls. 11-12; 1888b, 588.—Looss, 1895c, 1-108, figs. 1-30; 1896a, 329-332.
- ciliated embryo of: Chatin, 1880d, 554-555; 1880e, 405-406; 1881a, 1-11, figs. 1-8; 1881b; 1884d, 364-365.—Cobbold, 1864; 1871b, 135; 1872b, 89-92, figs.; 1872c, 636, 746.—Looss, 1893, 521-528.—Manson, 1903, 3, ed., 607, fig. 88.—Seligmann, 1898.
- eggs of: Belleli, 1885a, 1-3 (in lungs).—Brock, 1893b, 622-625, figs. 1-6, 1894a, 774.—Cahier, 1892a, 570-576, figs. 1-4 (egg and embryo).—Chatin, 1884d, 364-365; —, 740.—Le Dantec, 1904, Dec., 399-400.—Jones, 1893a, 145 (in hematuria).—Kartulis, 1885a, 139-145, figs. 1-4 (in pelvic organs); 1885b, 188-189.—Looss, 1893, 521-528; 1905, 101-102.—Low, 1903b, Feb., 67-68; 1903l, May, 232.—Manson, 1901, 542; 1903, 3, ed., 606-607, 613, fig. 87.—Mazzei, 1905, 659 (in urine and feces); 1905, Aug., 550; 1905, July, 1083.—Milton, 1902.—Seligmann, 1898.—Smith, 1905, Oct., 656-659.

## BILHARZIA—Continued.

- , life history of: Cobbold, 1872b, July, 89–92.—Lazarus-Ballow & Douglas, 1903a.—Looss, 1894c, 286–292, 340–346; 1905, 903.—Manson, 1903, 3. ed., 608.—Sons., 1884, 380–394, 1 pl., figs. 1–6; 1888, 100–101; 1893, Sept., 621–622; 1893, Oct., 466–467; 1893, Nov., 707–708; 1893, 997–1000; [1894, 9–10;] [1894, Jan., 10–14;] 1894, Nov., 754–755.
- hamatobia crassa* (Sons., 1877) Kowal., 1894; 1895g, 18, 19, 27 [58, 59, 67], pl. 2, fig. 2 (in *Bos taurus*, *Ovis aricus*; Africa, Sicily).—Stiles, 1898a, 60.
- hamatobia hominis* (Dics., 1855) Kowal., 1895g, 18, 19, 26–27 [58, 59, 66–67], pl. 2, fig. 1 (in *Homo*; Africa).—Stiles, 1898a, 58.
- hamatobia magna* (Cobbold, 1859) Kowal., 1895g, 27 [67] (in *Cercopithecus fuliginosus*; Africa?).—Stiles, 1898a, 58.
- hamatobia crassa* Kowal., 1895g, 18 [58], for *hamatobia*.
- hamatobia* Bourel-Roncière, 1878a, 116, 117, for *hamatobia*.
- kowalewski* (Rail., 1899) Par., 1902, 6, for *kowalewski*.
- kowalewski* Par. & Ariola (1896), 114–116 (1–3), 1 fig. (in *Larus melanocephalus*); 1896, Oct. 24, 620.—Kowal., 1896i, 9, 353.—Looss, 1899b, 658 (to Bilharziella).—Par., 1899, 7, 1 fig.; 1902, 6 (*kowalewski*) (in *Larus melanoc.*).—Sons., 1896, 319.
- magna* Cobbold, 1859d, 364, pl. 63, fig. 8–9 (in *Cercopithecus fuliginosus*); 1861, 118; 1872b, 89 (syn. of *B. hamatobia*); 1885a, 498 (syn. of *B. hamatobia*).—Braun, 1893a, 876, 911; 1893d, 467.—Colloridi, 1891a, 854 (syn. of *B. hæm.*).—Dav., 1877, 942.—Leuck., 1863, 619.—Kowal., 1895g, 3 [43, 64].—Moniez, 1896, 155.—Sons., 1888, 124.—Stiles, 1898a, 58, 59, 138.—Stoss., 1892, 6 (to *Gynæcophorus*).
- magnum* of Montgomery, 1906, Feb., 12, 45, for *magna*.
- oris*, see Cobbold, 1885a, 499 (in *Ovis*).
- polonica* Kowal., 1895g [1–27], 41–70, pl. 2, 20 figs. (in *Anas boschas fera*, *A. crecca* L.; Dublany); 1896d, 4 (254); 1896g, 63–72; 1896h, 265–266; 1896i, 345–356, pl. 12, figs. 1–9; 1896k, 345–356, pl. 12, figs. 1–9; 1896l, 145–148, 1896m, 145–148; 1897a, 41–70, pl. 2, figs. 1020; 1897b, 198–200 (1–3); 1898g, 75–77, figs. 30–36 (in *Anas acuta*, *A. boschas dom.*, *A. cinerea*, *A. querquedula*, Dublany, Poturzyca, Gènes); 1898h, 135, 148–158 (32, 45–51, 52, 54, 55), figs. 30–36.—Barbagallo, 1899c, 281.—Looss, 1899, 567, 658 (type of Bilharziella).—Sons., 1896, 318; 1896, Mar. 1, 79–80; 1897, Jan. 17, 198–200.—Sons. & Kowal., 1897, 3 pp.—Also reported for *Ardea cinerea*, *Mergus albellus*.
- BILHARZIELLA Looss, 1899b, 543, 657–658 (tod. *polonica*); 1902, 746.—Braun, 1901, 562; 1902b, 140, 142; 1903, 169 (in birds).—Darr, 1902, 660.—Montgomery, 1906, Feb. 12, 18.—Pratt, 1902a, 889, 907 (key).
- canaliculata* (Rud., 1819) Braun, 1902b, 142–146, figs. 58–88 (includes *Dist. canaliculatum* Rud., 1819a, 676; Duj., 1845a, 449; and *Dist. canaliculatum* (Rud.) Dics., 1850a, 346; Stoss., 1892, 36; Braun, 1901, 562).
- kowalewski* (Par. & Ariola, 1896) Looss, 1899b, 658.—Braun, 1902b, 140.
- polonica* (Kowal., 1895) Looss, 1899b, 543, 658.—Braun, 1902b, 140, 141, 145.—Kowal., 1902d, 28 (10) (in *Anas querquedula*, *A. acuta*, *A. crecca*, *A. boschas*, *A. boschas dom.*, *Mergus albellus*); 1904, 8 (23) (in *Fuligula leucophthalmos*; Dublany).—Montgomery, 1906, Feb. 12, 18.
- pulverulenta* Braun, 1901g, 946–947 (in *Anas querquedula*; Dongola); 1902b, 140, 141 (in *A. quer.*).
- BILHARZIOSIS (name of disease): Allen, 1882, July 15, 51–53; 1888, Apr., 310–320 (parasitic hæmaturia).—Ashford, King & Igaravidez, 1904, Dec., 91 (in Porto Rico).—R. Bl., 1904, Feb., 153;—Chute, 1888a.—Douglas & Hardy, 1903, v. 6 (1), 1.—Goebel, 1903h; 1903i, 390; 1906, Mar., 61; 1906, Apr.; 1906, July, 531.—Guillemand, 1883a, 151; 1894a, 834; 1897a, 1091–1101, figs. 64–70.—Gunn, 1905, June, 1953–1954; 1905, May, 776.—Hanford, 1893–94, 48.—Harley, 1864a, 55–72; 1869a, 379–387 (endemic hæmaturia).—Hatch, 1903a, 772 (in India); 1903b, 225.—Kanellis, 1904b, 45–51 (bilious hemoglobinuric fever).—Katsurada, 1904c, Aug. (endemic disease).—Kautsky, 1903a, 649–652.—Lawson, 1904a, Sept., 263–271.—Leão, 1897a, 337–366, figs. 1–2, pl. 2, figs. 1–3; 1898, 504.—Letulle, 1905b, 37.—Looss, 1903a, 32; 1905, 93.—Lortet, 1893a, 618–620.—Lortet & Vialleton, 1894a, 1–111, pls., figs.; 1895a, 265–269.—Lyle, 1883, Jan., 9 (endemic hæmaturia).—Madden, 1902, June, 165; 1903, 1; 1903, 866; 1904, 73–80, figs. 1–6.—Manson, 1901, 542 (endemic hæmaturia);



## BILHARZIOSIS—Continued.

- 1903, 3. ed., 605-616, figs. 86-88.—Martinez, 1904, Dec., 193-194; Milton, 1902c, 165-170, 191-192, 200-203, 213-219 (3 lectures); 1904a, 107-122, 1 pl.—McL., K., 1903, June, 255.—Montgomery, 1906a, 15-46, 2 pls. (in animals in India); 1902b, 32 pp., 2 pls.; 1906c, 138-174, pls. 1-2; 1906d, 37 pp., 2 pls.; 1906e, 164; 1906f, 531-532; 1906g, 834; 1906h, 251-252, 259-260; 1906i, 564-565.—Posnett, 1901, 318.—Rankin, 1904, July, 354; 1904, July, 210.—Rochard, 1871, 298.—Reutimeyer, 1894.—Roux, 1906, 105-107.—Sandwith, 1904, Oct., 460-477; 1904, Nov. 15, 360; 1904, Dec. 6, 2200.—Scheiss-Bey, —, 303.—Scott, 1904, 725 (in Persia).—Semaine méd., 1903, 3.—Sewell, 1904; 1904, Nov., 360 (in India).—Sons., 1876, 650 (Egypt).—Villeneuve, 1891, 398, 421 (in Tunisia); 1891, 556.—Virchow, 1888, 361-385.—Voorthuis, 1905, 1665-1672.—Wortabet, 1880, Sept., 578.
- , cases of: Anders & Callahan, 1905, 509-519, figs. 1-2.—Benham, 1906, 922.—R. Bl., 1904, Dec., 148-151; 1906, Jan. 18, 662-663.—Booth, 1882, 81-84.—Bowlby, 1889, Apr. 20, 891.—Brault, 1891a; 1891c; 1891, 409; 1892a.—Brooks, 1897a, 492-493; 1897, 617.—Cahier, 1894, Apr., 363-365.—Childe, 1899a, 644; 1899b, 318; 1899c, 598.—Cobbold, 1878h, 358.—Cortez, 1905, 97-103.—Crocker, 1883a, 25-28.—Cureton & Webb, 1899a, 156.—Davies, 1884, 181.—Le Dantec, 1904, Nov., 399-400.—Douglas & Hardy, 1903, Oct., 1009-1012; 1903, Oct., 476; 1903, Oct., 259; 1903, Oct., 835-866; 1903, Nov., 1032; 1903, Nov., 735; 1903, Dec., 263; 1904, Jan., 34; 1904, Jan., 60; 1904, Oct., 476.—Duncan, 1902-03, 187-189.—Fenwick, 1888, 344-346.—Freeman, 1905, 145-148.—Frothingham, 1904, 453-457, 1 pl.—Gautrelet, 1885a, 577-579.—Gunn, 1906, Apr., 1031-1032.—Gutch, 1900a, 1222.—Hanford, 1887b, 240-245, figs. 1-3; 1889a, 424-425; 1894a, 48-49.—Hillmantel, 1893a, 230-233, figs. 1-3; 1893b, 4 pp., 3 figs.—Jones, 1893a, 145.—Lelean, 1904f, 425-428.—Letulle, 1904a, 48; 1905a, 420-421.—Lewis, 1904a, 345-346.—Lillie, 1901a, 212.—Madden, 1899, June, 1716; 1899, July, 114; 1901, May., 143-144.—Manson, 1902, Dec., 384-385; 1902, Dec., 1894-1895; 1903, Jan., 15; 1903, Jan., 121; 1903, Feb., 15; 1903, June, 293.—Moore, 1885, 89-92.—Nitz, 1891, Jan. 28.—Pool, 1903, Apr., 632-633; 1903, June, 1146.—Rafferty & Rafferty, 1904, June, 918-919, 6 figs.; 1904, June, 1148-1149; 1904, June, 1661; 1904, Nov., 523.—Sewell, 1904, Mar., 346-347; 1904, Nov., 360.—Simpson, 1872, 320-321.—Smith, 1905, Oct., 656-659, figs. 1-4; 1905, Oct., 1359; 1905-06, 515-518.—Sondern, 1897, May, 554-557, figs. 1-6 (see case of Brook, 1897, 492).—Symmers, 1906, Jan. 18, 662; 1906, Jan. 7, 22.—Tottenham Posnett, 1901, Oct., 318-319.—Villeneuve, 1891, 321-324.—Walker, 1900, Feb., 390-392, 8 figs.; 1900, 651.—Wallace, 1901, Feb., 121-124; 1901, Feb., 304-305; 1902, Mar., 203.—Wardrop, 1906, Sept., 282-283.—Webb, 1899, Jan., 156.—Wortabet, 1880, Jan., 603-604, figs. A-E.
- , complications of: Ali Labib, 1902 (urinary fistulæ).—Bouchut, 1879a, 874-877 (chyluria).—Letulle, 1905c, Apr., 607-609 (phlebitis); 1905d, Apr., 231-232.—Looss, 1905, 94, 95 (fistulæ).—Madden, 1902, Dec., 241-257 (calculus, vesical); 1902, July, 317-329.—Manson, 1903, 3. ed., 610 (fistulæ).—Milton, 1902, 166-167 (carcinoma), 167-168 (stricture), 200-201 (fistulæ), 215.—Mouvenoux, 1884, 1144 pp. (chyluria).—N. Y. M. J., 1896, v. 64, 586 (urethral fistulæ).—Panagiotatou, 1900, Mar., 649-650 (chyllothorax).—Silva Lima, 1877, —; 1878, Feb., 171.—Trekaki, 1896, Oct., 586 (urethral fistulæ).—Trekaki & Eichstorff, 1896, Sept., 769 (urethral fistulæ).
- , diagnosis of: Jaksch, 1892, —.—Looss, 1905, 105.—Manson, 1903, 3. ed., 613-614.
- , etiology of: Gues, 1879a, 161-190.—Huber, 1896, 581.—Katsurada, 1904e.—Lockwood, 1901, 2. ed., 821.—Looss, 1905, 95, 103.—Manson, 1903, 3. ed., 605.—Milton, 1902.—Mohammed Bey (1904).—Sons., 1882, Sept., 569-573.—Tyson, 1903, 3. ed., 1181.
- , geographic distribution of: Anders & Callahan, —, 509-519 (U. S.).—Ashford, King & Igaravidez, 1904, 91 (Porto Rico).—Batho, 1872, Dec., 502-504 (Cape of Good Hope).—R. Bl., 1891, 611-612 (Cuba).—Brault, 1891a, 382-385, 3 figs. (Lyon); 1891b, Aug., 409 (Tunisia); 1891c, 449-453; 1892a, 51-56.—Braun, 1903, 3. ed., 169-172, figs. 118-122 (Egypt, Capland, Abessinien, Sudan, Mozambique, Natal, Gold Coast, Tunis, Algiers, Arabia (Mekka)).—Cahier, 1893a, 101-116 (Tunisia).—Chevreau & de Chazal, 1890a, June, 44 pp. (à l'île Maurice).—Cobbold, 1876, 487-489 (Australia, Egypt); 1878h, 357 (Natal).—Le Dantec, 1904, Nov., 399-400 [62-63] (Natal).—Davies, 1884,

## BILHARZIOSIS—Continued.

- 181 (Cape of Good Hope).—Deblenne, 1883, 271 pp. (Nosi-Bé).—Eyles, 1887a, 659-660 (West Africa).—Fagge & Pye Smith, 1902, 4. ed., 475 (Egypt & Natal).—Faichnie, 1905, Nov., 638-639 (England).—Felkin, 1889.—Freeman, 1905, 145-148 (England).—Gonzales Martinez, 1904 (Porto Rico).—Grassi & Rovelli, 1888c, June, 799 (Sicilia).—Gunn, 1905, May 23 (Porto Ricans at San Francisco); 1905, 1953-1954; 1906, Apr., —; 1906, July, 224.—Harley, 1864a, 55-72 (Cape of Good Hope); 1869a, 379-387 (Cape of Good Hope and Natal); 1871a, 47-62, pl. 1 (southeastern coast of Africa).—Hatch, 1903a, 772 (India); 1903b, 225 (India).—Hillmantel, 1893a, 230-233, figs. 1-3 (?U. S. A.); 1893b, 4 pp., 3 figs. (?U. S. A.).—Katsurada, 1904e, Aug., — (Japan: Yamashashi, Hiroshima, Saga, etc.).—Lahille, 1906, 262-265, 2 figs. (Antilles).—Legrain, 1898, 148-169, 8 figs. (Algeria).—Letulle, 1904a, 46-48 (Martinique); 1905a, 420-421 (Martinique).—Lillie, 1901a, 212 (Orange River Colony).—Lyle, 1882a, 9-10 (southeast coast of Africa); 1883a, 113-132.—Manson, 1901, 542 (Africa: Persia; Egypt); 1902, Dec., 384-385 (West Indies); 1902, Dec., 1894-1895 (West Indies); 1903, Jan., 18 (West Indies); 1903, Jan., 121 (West Indies); 1903, Feb., 15 (West Indies); 1903, June, 293 (West Indies); 1903, 3. ed., 605 (Egypt, Natal, Mauritius, Gold Coast, eastern coast of Africa to Port Elizabeth; Uganda; Mesopotamia; Cyprus; possibly Sicily; West Indies).—Martinez, 1904, 32 pp. (Puerto Rico); 1904, Dec., 193-194 (Puerto Rico).—McL., K., 1903, June, 225 (India).—Milton, 1897, 93-106 (Egypt); 1903, Mar. (Egypt); 1903, May, 779-780 (Egypt).—Mohammed Bey Talaat, 1904a, statistics (Egypt).—Montgomery, 1906, 262-265, 2 figs. (Antilles); 1906, 1-32, pl. 1, figs. 1-4, pl. 2, figs. 1-3; (2), pp. 1-37, pl. 1, figs. 1-4, pl. 2, figs. 1-3 (India); 1906, Jan., 15-46 (India); 1906, Feb. (India); 1906, Apr., 138-174, pls. 1-2 (India); 1906, May, 164 (India); 1906, July, 531-532 (India); 1906, Aug., 251-252 (India); 1906, Aug., 259-260 (India).—Peyrot, 1905, 105-111 (Tombouctou).—Posnett, 1901, Oct., 318-319; 1901, Oct., 672; 1901, —.—Powell, 1903, Feb., 490 (India).—Rafferty, 1904, June, 918-919 (U. S. A.); 1904, June, 1148-1149 (U. S. A.); 1904, June, 1661 (U. S. A.); 1904, Nov., 523 (U. S. A.).—Renoult, —, 366-370 (Egypt).—Sandwith & Harding, 1906, 217 (South Africa).—Scott, 1904, Mar., 726 (Persia).—Sewell, 1904, Nov. (India); 1904, Nov., 360 (India).—Smith, 1905, Oct., 656-659 (U. S. A.).—Sons., 1874, 71-83 (Egypt); 1874, Aug., 502-510, Sept., 521-539, figs. 1-7 (Egypt); 1874, 305-313, 320-331, figs. 1-7 (Egypt); 1875, Dec., 738-748 (Egypt); 1876, 3 (Egypt); 1876, June, 650 (Egypt); 1876, Jan., 376 (Egypt); 1876, 652-673, figs. 1-9 (Egypt); 1887 (Egypt); 1887, 12 pp. (Massana).—Sturrock, 1899, Dec., 1543 (Mesopotamia); 1899, Dec., 1212-1213 (Mesopotamia).—Tyson, 1903, 3. ed., 1181 (Egypt & Africa).—Villeneuve, 1891, 398 (Tunisie); 1891, 421 (Tunisie); 1892, 153-157 (Tunisie); 1892, 556 (Tunisie); 1893, 49-53 (Tunisie).—Williamson, 1902, Aug., 475 (Cyprus); 1902, Aug., 313 (Cyprus); 1902, Sept., 956 (Cyprus); 1902, Dec., 625 (Cyprus); 1905, 956 (Cyprus).
- , location and pathology of: Belleli, 1886a, 4-5, 12-14, 18-21, 28-29, 35-37.—Birch-Hirschfeld, 1889, 302.—Bowlby, 1889a, 891; 1889b, 786.—Colloridi, 1891a, 854-864.—Gräbel, 1903c, 107-124; 1903d, 52; 1903e, 71; 1903f, 106-109, 127-128, 143-145; 1906, —; 1906, Apr. 14, 269-270; 1906, Apr. 24, 839.—Kartulis, 1898b, 474-486, pl. 8, fig. 1; 1898c, 258-259.—Lecan, 1902b, 1151.—Looss, 1905, 97.—Manson, 1901, 542-543.—Ruetimeyer, 1892, May, 411; 1892, Nov., 144-151; 1894, (12); v. 22, 18.—Sons., 1875, 738-747; 1875, —; 1876, v. 16, 3-33; 1876, v. 49, 233; 1876, 652-673, figs. 1-9; 1876, Jan., 376.
- Abdominal organs: Kartulis, 1885a, 139-145, figs. 1-4; 1885b, 188-189.
- Liver: Looss, 1905, 96, 100.—Manson, 1903, 3. ed., 610, 613 (ova in gallstone).—Phillips, 1904, Sept., 657.—Ruault, 1885, 56-59; 1885, 145-147.—Symmers, 1903, Dec., 237-239, pl. 21, figs. 1-2.
- Mesentery: Ruault, 1885, 56-57; 1885, 145-147.
- Omentum: Madden, 1901c, 143-144.
- Pancreas: Looss, 1905, 96.
- Peritoneum: Madden, 1901c, 143-144 (and omentum); 1902, July, 787-788.—Manson, 1903, 3. ed., 613.
- Spleen: Looss, 1905, 96.
- Heart: Manson, 1903, 3. ed., 613.
- Blood, hematology, eosinophilia: Balfour, 1903, Dec., 1649; 1904, Jan., 35; 1904, Jan., 39; 1904, Aug., 374; 1905, Feb., 125.—Coles, 1902a, 1137-1138; 1902,

## BILHARZIOSIS—Continued.

Nov., 402; 1902b, 914; 1902c, 955; 1902d, 787; 1902e, 993.—Douglas, 190 Oct., 10; 1904, Oct., 476.—Le Dantec, 1904, Nov. 18, 400.—Fagge & Pye Smith 1902, 4. ed., 475.—Kautsky Bey, 1904a-c; 1905a; 1905, Oct., 665-666; 190 Oct., 477.—Lockwood, 1901a, 2. ed., 821.—Looss, 1905, 97-100.—Manson, 190 3. ed., 606.—Rep. Wellcome Research Lab., Khartoum, 1904, 58-61.—Russell, 1902, Dec. 6, 1540; 1902, Dec. 18, 326; 1902, Dec. 20, 988; 1902, Dec. 22, 1234-1235; 1902, Dec. 27, 1134.—Symmers, 1905, Jan. 18, 22; 1906, Jan. 662.—Tyson, 1903, 3. ed., 1181.

Intestines: Damaschino, 1882a, 949 (and urinary); 1883a.—Firket, 1897, June. - 1899, v. 3 (1), 71.—Lahille, 1906, v. 9 (2), 262-265, 2 figs.—Letulle, 1904 46-48; 1905a, 420-421; 1905e, 329-439, figs. 1-16, pls. 1-2.—Mackie, 188 Oct. 7, 661.—Symmers, 1905, Jan. 7, 22.—Zancanol, 1882, 410-412, pl. (and bladder).

Appendix: Burfield & Shaw, 1906, Feb. 10, 368-370, figs. 1-2; 1906, Mar. 359; 1906, Mar. 10, 757; 1906, May 29, 1076; 1906, July 16, 532.—Crim 1906, Mar. 10, 672.

Rectum: Belleli, 1885b, 54-56, figs. 19-20.—Bowlby, 1891a, 136.—Letul 1904, Jan. 13, —; 1905b, 37; 1905f, 659-714, figs. 1-19, pls. 1-2; 190 672; 1906, Jan. 31, 64-65.—Looss, 1905, 95, 99, 105.—Madden, 1899, Ma 566-568; 1899, July, 159; 1902, Feb., —; 1902, May 10, 1285.—Manson, 190 3. ed., 610, 612-613.—Milton, 1902, 169.—Ruault, 1885, 56-57; 1885, 145-1

Female genitalia: Goebel, 1905, 1379-1382; 1905, Dec. 23, 1344; 1905, N 28, 2333; 1906, Jan. 18.—Horwood, 1906, Mar. 10, —; 1906, Aug. 15, 633. Looss, 1905, 95.—Madden, 1899, June 24, 1716; 1899, July, 114.—Mansc 1903, 3. ed., 610, 612, 613.—Milton, 1902, 169, 202.

Urinary system: Bowlby, 1891b, 194-195.—Damaschino, 1882a; 1883a, 15 156.—Eve, 1888a, 184.—Huber, 1896, 581.—Manson, 1903, 3. ed., 612.—M ton, 1902, 181-182.—Trekaki, 1903, Jan., 309-325; 1903, Mar., 329-349; 190 Apr., 396-408; 1903, June 30, 800.

Calculi: Ebstein, 1884a.—Looss, 1905, 94, 106.—Madden, 1902, Dec., 24 257.—Milton, 1902, 200.—Reyer, 1856, —.—Zancanol, 1882, 76.

Kidney: Eve, 1888a, 184.—Manson, 1903, 3. ed., 613.—Ruault, 1885, 56-1 1885, 145-147.

Ureter: Milton, 1902, 167.

Bladder: Eve, 1888a, 184.—Fenwick, 1888a, 344-346 (epicystitis); Fenwi & Harris, 1888a, 183-184.—Goebel, 1903a; 1903b; 1903g; 1904, Oct., 18 1905, v. 3 (3); 1905, 369-513 (carcinoma); 1905, Dec., 957-958; 1906, Ma 45-46; 1906, July, 315.—Harrison, 1889a, 163.—Huber, 1896, 581.—Kutn 1905, v. 16 (12), 649-657, 1 fig.; 1906, Jan., 78.—Lewis, 1900a, 1057-1058. Looss, 1905, 97, 98, 100.—Manson, 1903, 3. ed., 610-612.—Milton, 1902a, 1 182; 1902, 166, 191, 192, 214.—Peyrot, 1905, 105-111.—Ruault, 1885, 56-1 1885, 145-147.—Shattock, 1891, 196-197.—Zancanol, 1881-1882, 410-412, pl. :

Prostate: Ruault, 1885, 56-57; 1885, 145-147.

Urine: Fagge & Pye Smith, 1902, 4. ed., 475.—Gibson, 1904, 219.—Loc 1905, 105.

Hematuria (bilharzian, endemic, Egyptian): Allen, 1888, Apr., 310-320 Batho, 1872a, 502-504.—Bilharz, 1856a, 49-52, 65-68.—Cantani, 1886, 9 Chaker, 1890a, 72 pp., figs. —; 1890b, 594.—Chute, 1888a, 85-87, 89-91 Cobbold, 1885a, 985.—Crevaux, 1872a-b; 1874a, 165; 1875a.—Le Dant 1904, Nov., 399-400.—Davies, 1884a, 181-187, figs. 1-7.—Douglas & Harc 1903, Oct. 10, 1009-1012; 1903, Oct. 22, 259; 1903, Oct. 31, 865-866; 19 Nov. 28, 1032; 1903, Nov. 30, 735; 1903, Dec., 263; 1904, Jan. 30, 60; 19 Jan. 2, 34.—Fagge & Pye Smith, 1902, 4. ed., 475, 679.—Fayrer, 1879b, 1 (not clear whether this refers to the disease or to the parasite).—Frothingha 1904, 453-457, 1 pl.—Griesinger, 1866, 96.—Guès, 1879a, 161-190.—Guil mard, 1882a, 61 pp.—Gutch, 1900a, 1222; 1900b.—Handford, 1887b, 240-2 figs. 1-3; 1889a, 424-425; 1894a, 48-49.—Harley, 1864a, 55-72, figs. 1- 1864b, 173-175; 1864c, 156-157; 1864d, 161-163; 1864e, 515-517; 186 161-173, figs. a-b; 1869a, 379-387; 1869b, 394; 1871a, 47-62, pl. 1.—Jo dan, 1877a, —.—Looss, 1905, 83, 93, 94.—Lyle, 1882a, 9-10; 1883a, 113-132 Renoult, 1808, 366-370.—Roberts, 1879, 461-466.—Simpson, 1872, Sept. 320-321.—Sonsa, 1874, 71-83; 1874, 502-521; 1874, 305-321; 1876, 233-2 1884, 17-21.—Thurn, 1882, —.—Ultzmann, 1878, 34, fig. 12.

## BILHARZIOSIS—Continued.

- Lungs: Belleli, 1885a, 1-3.—Bowlby, 1891b.—Looss, 1905, 96.—Manson, 1903, 3. ed., 610, 613.
- Tumors: Albarran & Bernand, 1897a, 645-647 (epithelial); 1897b, 1096-1023, pl. 11.—Belleli, 1885, 54-56.—Looss, 1905, 95, 96.—Madden, 1903, Jan., 1-2; 1903, Jan., 14.
- , symptomatology of: Belleli, 1886a, 4-5, 12-14, 18-21, 28-29, 35-37.—Le Dantec, 1904, Nov., 399-400.—Goebel, 1903a-i.—Leleau, 1902a-b; 1904f.—Lockwood, 1901, 2. ed., 821.—Looss, 1905, 94, 95, 105.—Manson, 1901, 543; 1903, 608-609, 610.—Milton, 1902, 191, 201-202.—Moty, 1893, Feb., 51-56 (urine), figs. 1-4.—Tyson, 1903, 3. ed., 1181.
- , prognosis: Lockwood, 1901, 2. ed., 821.—Looss, 1905, 93, 96, 106.—Manson, 1901, 543; 1903, 3. ed., 609, 610, 614, 615.—Milton, 1902, 191, 200 (death due to exhaustion).
- , treatment of: Allen, 1883, 660.—Belleli, 1886a.—Cadet, 1876a, —; 1876b, —.—Le Dantec, 1904, Nov., 400.—Ensor, 1904, Nov., 575-576 (chrysoidine); 1904, Nov., 360.—Fouquet, 1885a, 677-680, 693-696; 1885b, 88-95.—Goebel, 1903a-b.—Harley, 1871a.—Looss, 1905, 106, 107.—Manson, 1901, 544; 1903, 3. ed., 615, 616.—Milton, 1897a, 93-106; 1902, 214, 218; 1902, 93-106 (surgery); 1903a, 866-869; 1903b, 714; 1903c, 659; 1903d, 779-780.—Sons., 1885, June, 1197-1198.—Wortabet, 1882, Dec., 979-980 (turpentine).
- BISTOMA Reich, 1801, 371, lapsus for Dist. = Fasc.—Stiles & Hass., 1898a, 83 (to Dist.). *stridula* Reich, 1801, 371, in *Strix stridula*.
- BOTHRIOGASTER Fuhrmann, 1904, Sept. 23, 59-61 (m. variolaris), subf. Syncoeliinae.
- variolaris* Fuhrmann, 1904, 59-61, figs. 1-2 (in *Rostrhamus sociabilis*: South America).
- BRACHYCECUM Rail., 1896, 15 Mar., 160, *Brachyccelum* Duj., 1845a [not *Brachyccelus* (Chaudoir, coleopteron) renamed, hence type crassicolle.—Stiles & Hass., 1898, 83 (for *Brachyccelum*).—Stoss., 1898, 31.
- brunnei* (Stoss., 1889 [Looss, 1901]) Barbagallo & Drago, 1903, 410 (in *Oblata melanura*: Catania), Br. as subg. of Dist.
- BRACHYCELIUM Mont., 1888, 38 for *Brachyccelum*.
- BRACHYCLADIINÆ Odhn., 1905, 346, 347, f. Fasciolidae.
- BRACHYCLADIUM Looss, 1899b, Dec., 558-560 (tod. palliatum): 1901, 208; 1902m, 707, 708, 709, 711, 715, 716, 717, 718, 755-778 (cf. *Campula*: *Opisthorchis*), 811.—Braun, 1900g, 251, 254; 1901b, 38; 1905, 339, 344, 345, 346, 347-348.—Odhn., 1905, 347a-348.—Stiles 1901, 203, 204, 205.
- delphini* (Poir., 1886) Looss, 1899b, 558; 1902m, 707, 708.—Odhn., 1905, 348.
- oblongum* (Cobbold of Braun) Looss, 1902m, 716.—Odhn., 1905, 343, 347.
- palliatum* (Looss, 1885) Looss, 1899b, 558, 560; 1902, 707, 708, 711, 715.—Daar, 1902, 653.—Odhn., 1905, 341, 342, 347, 348.
- rochebruni* (Poir., 1886) Looss, 1899b, 558; 1902m, 707, 811.—Odhn., 1905, 344, 346, 347.
- BRACHYCELIINÆ Looss, 1899, Dec., 607, 611, 612, 614; 1902, 839, 841.—Luche, 1900, 561; 1901, 173.—Odhn., 1902, 40, 42.—Pratt, 1902a, 889, 902 (key); contains *Phaneropsolus*, *Leithodendrium*, *Pycnopus*, *Brachyccelum*; related genera *Cymatocarpus*, *Brandesia*.
- BRACHYCELINE Ward, 1901, 185.—Jegers., 1903a, 14.
- BRACHYCELIUM Duj., 1845a, 383, 388, 402 (subg. of Dist.), type crassicolle after Stiles & Hass., 1898a, 83, but arrectum after Luche, 1899k, 536. Raised to generic rank by Stiles & Hass., 1898a, 83.
- arrectum* Duj., 1845a, 387, 403 (in *Lacerta viridis*: Rennes).—Stoss., 1895, 225 (to *Dicrocoelum*).
- brachysomum* (Crep., 1846) Stoss., 1892, 148, 189, 190, 191; 1899, 10 (to *Levensenia*).
- clariforme* (Brand., 1888) Stoss., 1892, 148-149, 191. See *Brachyccelum*.
- clavigerum* (Rud., 1819) Duj., 1845a, 387, 404 (misdetetermined).—Stoss., 1889, 576 (to *Dicrocoelum*). See *confusus* Looss, 1894.
- crassicolle* (Rud., 1809) Duj., 1845a, 386, 404-405. Cohn, 1903, 42.—Stiles & Hass., 1898a, 83 (designated type of *Brachyccelum*). See *Brachyccelum*.

## (BRACHYCELIUM)—Continued.

*heteroporum* Duj., 1845a, 387, 402–403 (in *Vespertilio pipistrellus*; Rennes).—Looss, 1899b, 611 (type of *Pycnopus*).

*macrophallos* (Linst., 1875) Stoss., 1892, 147, 190.

*nigrovenosum* (Bellingham, 1844) Looss, 1902m, 822.

*oviforme* (Poir., 1886) Stoss., 1892, 12–13, 40.

*pygmaeum* (Levin., 1881) Stoss., 1892, 147 (in *Somateria mollissima*; Greenland), 189; 1899, 10 (to *Levinnesia*).

*retusum* Duj., 1845a, 386, 405–406 (in *Rana temporaria* at Rennes).

*rubellum* (Olss., 1868) Stoss., 1886, 60.

*somateriae* (Levin., 1881) Stoss., 1892, 146, 189.

*tacapense* (Sons., 1894) Stoss., 1895, 215, 235.

**BRACHYCELIUM** (Duj., 1845a) Stiles & Hass., 1898a, 83 (type *crassicolle* after Stiles & Hass., *arrectum* after Luehe).—Baird, 1853a, 52.—R. Bl., 1891, 609.—Braun, 1892a, 663, 672; 1893a, 885, 909, 910; 1900h, 6.—Giard, 1897c, 955, 956, sp. in *Pelécypodes*; 1897d, 956–957.—Looss, 1899b, 535, 536, 611–614, 617, 618, 620, 622, 623, 625, 647; 1902m, 705, 768–775, 814, 815, 816, 822, 823.—Luehe, 1899k, 536 (type *arrectum*); 1900aa, 562, 563.—Mont., 1888, 38 (*Brachycelium*), 92, 105, 1892, 687; 1893, 43, 150.—Pratt, 1902a, 889, 903 (key).—Rail., 1896, 160 (renamed *Brachycæcum*).—Staff., 1903, 827, 828; 1905, Apr. 11, 684.—Stiles, 1901, 179, 196, 197, 198, 199, 200, 201, 202, 203.—Stiles & Hass., 1898a, 83, 97, 98 (type *Dist. crassicolle* Duj., 1845) (syns. *Dist. (Brachycelium)*, *Brachycæcum* Rail., 1896).—Stoss., 1892, 12; 1899, 7.—Ward, 1901, 175.

1845: *Distoma* (*Brachycelium*) Duj., 1845a, 383, 388, 402 (tld. *crassicolle*).

1888: *Brachycelium* Mont., 1888, 38, misprint.

1896: *Brachycæcum* Rail., 1896, 160, *Brachycelium* [not *Brachycælus*] re-named.

*crassicolle* (Rud., 1809) Looss, 1899b, 611, 612; 1902, 768, 769, 772, 774, 775, 813, 814, 815, 816, 818, 821, 822, 823, 832, 835.—Cohn, 1903, 42.—Luehe, 1900, 562.—Staff., 1903, 827, 828; 1905, Apr. 11, 693.

*hospitale* (Staff., 1900) Looss, 1902, 822.—Staff., 1903, 824–828, figs 4–5; 1905, 682 (int. of *Diemictylus viridescens* and *Plethodon erythronotus*; Canada).

*luteum* (Ben., 1870) Giard, 1897c, 955; 1897d, 956, 957.—Caullery & Chappellier, 1906, 325. Reported for *Donax*, *Scyllium canicula*, *S. stellare*.

*nigrovenosum* (Bellingham, 1844) Looss, 1902m, 822, as doubtful.  
species Giard, 1897d, 956–957 (in *Donax trunculus*, *Tellina fabula*, *T. tenuis*, *T. solidula*, *T. laticata*).—Leger, 1879h, 957–958.

**BRACHYLÆMUS** E. Bl., 1847a, 295–302 (for *Brachylaimus*).—Dies., 1850a, 331.—Stiles & Hass., 1898a, 83, 84 (syn. of *Brachylaima* Duj., 1843).

*cylindræus* (Zed., 1800) E. Bl., 1847a, 295–298, pl. 12, fig. 2.—Baird, 1853a, 51.—Dies., 1850a, 368 (to *Dist.*).—Looss, 1894a, 64 (to *Dist.*); 1899b, 600 (type of *Haplometra*).

*erinacei* E. Bl., 1847a, 300–302, pl. 9, fig. 2 (*Erinaceus europæus*; Paris).—Dies., 1850a, 335 (renamed *Dist. lingueforme*).

*variegatus* (Rud., 1819) E. Bl., 1847a, 298–300, pl. 13, fig. 1.—Looss, 1894a, 71 (to *Dist.*).—Type of *Hæmatolæchus* 1899 and *Pneumonæces* 1902.

**BRACHYLAIMA** Duj., 1843a, 338–341 (tld. *advena*).—Luehe, 1899k, 536.—Stiles & Hass., 1898a, 83–84, 96 (type *advena* = *Dist. migrans* 1845) (syns. *Dist. (Brachylaimus)* Duj., 1845, *Brachylæmus* Duj. of Bl.).

*advena* Duj., 1843a, 338–341 (in *Sorex*).—Stiles & Hass., 1898a, 83, 84, 96 (designated type) (syn. *Dist. migrans* Duj., 1845).

*fulvum* Duj., 1843a, 340–341 (in *musaraigne*).—Stiles & Hass., 1898a, 83 (in *Sorex araneus*).

(**BRACHYLAIMUS**) Duj., 1845a, 382, 388, 407–420 (*Brachylaima*, 1843, renamed, hence type *advena*), used as subg. of *Dist.* See also *Brachylaimus*.

*æquale* Duj., 1845a, 410.

*aloyxii* (Stoss., 1885) Stoss., 1886, 58.

*andersoni* (Cobbold, 1876) Stoss., 1892, 19, 37.

*annuligerum* (Nord., 1832) Stoss., 1886, 44.

## (BRACHYLAIMUS)—Continued.

- arcuatum* Duj., 1845a, 410–411.  
*aristotelis* Stoss., 1892, 14–15, 40.  
*ascidioides* (Ben., 1873) Stoss., 1892, 16, 40.  
*baraldii* (Sons., 1892) Stoss., 1895, 218–219, 235.  
*bergense* (Olss., 1868) Stoss., 1886, 63.  
*bothryophoron* (Olss., 1868) Stoss., 1886, 57.  
*carnosum* (Rud., 1819) Stoss., 1886, 59.  
*caudatum* (Linst., 1873) Stoss., 1892, 39.  
*characis* (Stoss., 1886) Stoss., 1886, 59.  
*cirratum* (Rud., 1808) Duj., 1845a, 413.  
*conjectum* (Cobbold, 1860) Rail., 1893a, 365.  
*conostomum* (Olss., 1876) Stoss., 1886, 62.  
*corrugatum* Duj., 1845a, 409–410.  
*crassiusculum* (Rud., 1809) Stoss., 1892, 151–152, 194.  
*cymbiforme* (Rud., 1819) Stoss., 1895, 215–216, 236.  
*depressum* Stoss., 1883; 1886, 59.  
*didelphidis* Par., 1896, 3–5, fig. 1a (in *Didelphis marsupialis azarae*; Paraguay).  
*dimorphum* (Dies., 1850) Stoss., 1886, 60.  
*elegans* (Rud., 1802) Duj., 1845a, 414–415.  
*endemicum* (Bætz, 1883) Stoss., 1892, 39, 40.  
*exasperatum* (Rud., 1819) Duj., 1845a, 411.  
*fahenii* (Mol., 1859) Stoss., 1886, 59.  
*fellis* (Olss., 1868) Stoss., 1886, 57.  
*filum* Duj., 1845a, 418.  
*flavescens* (Ben., 1870) Stoss., 1886, 58 (in *Gobius minutus*).  
*globiporum* (Rud., 1802) Duj., 1845a, 417.  
*globocaudatum* (Crep., 1825) Duj., 1845a, 413–414.  
*instabile* Duj., 1845a, 412.  
*leptostomum* (Olss., 1876) Stoss., 1892, 17, 39.  
*lima* (Rud., 1809) Stoss., 1892, 14, 39, 40.  
*linguatula* (Rud., 1819) — ? —.  
*lorum* Duj., 1845a, 407.  
*maculosum* (Rud., 1802) Duj., 1845a, 412–413.  
*marginatum* (Mol., 1858) Stoss., 1892, 149, 189.  
*megastomum* (Rud., 1819) Stoss., 1886, 64.  
*mentulatum* (Rud., 1819) Duj., 1845a, 415.  
*mesostomum* (Rud., 1803) Stoss., 1892, 149–150, 193, 194.  
*micrococcum* (Rud., 1819) Stoss., 1892, 150, 190.  
*migrans* Duj., 1845a, 407–409 = *Brachylaima advena* Duj., 1843, renamed.  
*moleculum* (Linst., 1880) Stoss., 1892, 150, 192.  
*monas* (Rud., 1819) Parona, 1896, 12–13 (in *Siphonops annulatus*; Brazil).  
*mormyri* (Stoss., 1885) Stoss., 1886, 59.  
*mülleri* (Levin., 1881) Stoss., 1886, 61.  
*oblongum* (Cobbold, 1858) Stoss., 1892, 16–17, 37.  
*obovatum* (Mol., 1859) Stoss., 1886, 59.  
*oligoon* (Linst., 1887) Stoss., 1892, 149–192.  
*plesiomostomum* (Linst., 1883) Stoss., 1892, 152, 192.  
*pseudostomum* (Will.-Suhm., 1870) Stoss., 1895, 219–236.  
*recurrum* Duj., 1845a, 410.  
*reticulatum* (Wright, 1879) Stoss., 1892, 154–155, 192.  
*robustum* (Lorenz, 1881) Stoss., 1892, 18, 38.  
*rubens* Duj., 1845a, 411.

## (BRACHYLAIMUS)—Continued.

- sanguineum* (Sons., 1894) Stoss., 1895, 217, 235.  
*serpentatum* (Mol., 1859) Par., 1896, 18–19 (in *Sayris camperii*=*Scomberox rondeletii*; Padova).  
*signatum* Duj., 1845a, 415–416.  
*soccus* (Mol., 1858) Stoss., 1886, 64.  
*soleæ* Duj., 1845a, 417–418.  
*subflavum* (Sons., 1892) Stoss., 1895, 216, 235.  
*tenuicolle* (Rud., 1819) Stoss., 1892, 18–19, 39.  
*tereticolle* (Rud., 1802) Duj., 1845a, 419–420.  
*umbrinæ* (Stoss., 1885) Stoss., 1886, 58.  
*validum* (Linst., 1886) Stoss., 1892, 15–16.  
*varicum* (Mueller, 1784) Stoss., 1886, 58.  
*variegatum* (Rud., 1819) Duj., 1845a, 416–417.  
*vitellatum* (Linst., 1875) Stoss., 1892, 154, 190.  
*vitta* Duj., 1845a, 418.

BRACHYLAIMUS (Duj., 1845a) E. Bl., 1847a, 298 (*Brachylaima* renamed, hence type advena).—R. Bl., 1891, 609, 610.—Braun, 1892a, 643; 1893a, 885, 894, 909, 911; 1901b, 11; 1901e, 341, 342.—Giard & Billet, 1892, 614.—Johnston, 1902, 329.—Looss, 1899b, 535, 609.—Luehe, 1899, 530.—Mont., 1888, 92, 105; 1893, 43, 150.—Raill. & Marotel, 1898, 31, 38.—Sons., 1890, 141.—Stiles & Hass., 1898a, 84.—Stoss., 1892, 13; 1898, 32.—Volz, 1899, 231.—West, 1896, 323. See also (*Brachylaimus*).

BRACHYLEMUS Dies., 1850a, 331, for *Brachylaimus*, q. v.

*variegatus* (Rud., 1819) Dies., 1850a, 355 (to Dist.).—Molin, 1859, 828 (to Dist.).

BRACHYMETRA Stoss., 1904, 10 (m. *parva*) [not Mayr, 1865, insect].

*parva* Stoss., 1904, 10–12, fig. 1 (in *Rana esculenta*; Istria centrale).

BRACHYPIALLUS Odhn., 1905, 350, 356, 359 (tod. *crenatus*).—Nicoll, 1907, 84.

*crenatus* (Rud., 1802) Odhn., 1905, 349, 352–355, pl. 4, figs. 3–5 (includes *Fasc. crenata* Rud., 1802, 76, pl. 2, fig. 5; Dist. *crenatum* (Rud.) Rud., 1809a, 404, pl. 5, fig. 1; Mol., 1868, 48, pl. 5, figs. 96–98; Dist. *appendiculatum* p. p. Rud., 1819a, 404; Dist. *tectum* Linst., 1873, 104, pl. 5, fig. 4; Dist. *ocreatum* Mol. p. p. Lint., 1899, 288, pl. 35, figs. 16–24; *Hemimurus crenatu* (Rud.) Luehe, 1901, 24; Dist. *crenatum* Rud., 1810a, 376; Mol., 1859, 25, pl. 1, fig. 3); (hosts reported by Odhn. for Scandinavia: *Cottus scorpius*, *Pleuronectes limanda*, *Gasterosteus aculeatus*, *Ammodytes tobianus*, *Salmo salar*, *S. trutta*, *Osmerus eperlanus*); 1906, 62.—Nicoll, 1907, 72, 84, 88–89 (in *Ammodytes tobianus*).

BRANDESIA Stoss., 1899, 7, 10 (m. *turgida*).—Braun, 1900h, 6.—Looss, 1899b, 617, 623, 624–625.—Pratt, 1902a, 889, 903 (key), related to *Brachycæliinæ*—Staff., 1905, Apr. 11, 683, 684, 685, 686.—Stiles, 1901, 189, 190.

*turgida* (Brand, 1888) Stoss., 1899, 10.—Cohn, 1904, 235.—Kowal., 1902d, 27 [9].—Looss, 1899, 624, 775–777, figs. A. B.—Staff., 1905, Apr. 11, 684, 685.

BRAUNINA Heider, 1900a, 19–22, figs. a–d (*Hemistomidæ*); 1900b, 19–22, figs. 2–d.—Pratt, 1902a, 908 (key).—Wolf, 1903, 603–626, 1 pl., 11 figs.

*cordiformis* Wolf, 1903, 623, 1 pl., 11 figs. (in *Squalus* sp; Rio Janeiro).

BRAUNININÆ Wolf, 1903, 622, 623, n. subf.

BUCEPHALIDÆ Poche, 1907, 125.

(BUCEPHALOPSIS) Dies., 1855a, 396 (m. *haimæanus*) subg. of *Bucephalus* Baer.—Ziegler, 1883, 540.

*aculeatus* Dies., 1858, 275, based on Wagener's *Furcocrere* in *Planorbis marginatus*.—Ziegler, 1883, 540.

*haimæanus* (Lacaze-Duthiers, 1854) Dies., 1855a, 396; 1858d, 275–276 (syns. *Bucephalus* (*Bucephalopsis*) *haim.* Lacaze-Duthiers; *Cerc. haim.* Moul.) (in *Ostrea edulis*, *Cardium rusticum*; Balearic Isles).—Tennent, 1906, 642.—Ziegler, 1883, 540.—See also sub *Bucephalus*.

**BUCEPHALUS** Baer, 1826a, 124-125 [not Smith, 1829, reptile] [m. polymorphus]; 1827b, 570-589 (m. polymorphus).—Biehringer, 1884, 20; 1888a, 231, 232, 235.—Brand., 1891d, 8.—Braun, 1892a, 589, 592, 599, 636, 640, 768, 769, 770, 771; 1893a, 823, 825, 834, 884, 892.—Burm., 1856a, 244, 245, 250.—Carus, 1835a, 94.—Cobbald, 1876, 304; 1879b, 453.—Dies., 1850a, 286, 294; 1855a, 395; 1858d, 271, 274.—Duj., 1845a, 478.—Erc., 1881e, 60; 1882a, 296.—Fil., 1854a, 6; 1857c, 22.—Garner, 1875a, 102 (in freshwater mussel).—Goldb., 1855a, 15.—Gronkowski, 1902a, 522 (15).—Hoyle, 1890, 539 (larva of Gasterost.), 540, fig. 4-F.—Jackson, 1888, 643, 651 (= Gasterost.; in Anodonta and oyster), 643, 654.—Kath., 1894a, 138.—Kerber, 1852, —.—Lacaze-Duthiers, 1854a, 294 ff.—Leuck., 1863; 454, 495, 503, 512.—Looss, 1885b, 6; 1892a, 125; 1894a, 55, 252.—Mont., 1888, 9, 77, 79, 80, 92, 94; 1893, 6, 9, 10.—Moul., 1856a, 65, 121, 124.—Odhm., 1905, 293, 304.—Pag., 1857, 7, 10, 29, 52, 53.—Poche, 1907, 125.—Spengel, 1905, 258.—Uličný, 1878, 214.—Woods, 1875, v. 4 (29), Aug., 58-66, pls. 4-5.—Ziegler, 1883, v. 39 (4), Dec. 31, in 537-571, pls. 32-33, figs. 1-28; 1883, v. 6 (148), 10 Sept., 487-492; 1905, 36.

1855: Eubucephalus Dies., 1855a, 395 (m. polymorphus).

*aculeatus* Dies., 1858, 275 (in Planorbis marginatus) to (Bucephalopsis).

[*bellii*, see Smith, reptile.]

*cruis* Levin., 1881a, 80-81, pl. 3, fig. 7a-j (in Modiolaria discors; Egedesminde).—Braun, 1893a, 834.—Odhm., 1905, 304.—Tennent, 1906, 641, 643 (in Modiolaria discors).

*cucullus* Ziegler, 1883, 540 (for cuculus).

*cuculus* McCrady, 1874, Dec. 3, 176-192, figs. 2, 1-8 (in Ostrea virginiana; Charleston, S. C.).—Braun, 1893a, 834.—Tennent, 1906, 641, 644-646, 682 (syn. of B. haimeanus Lacaze-Duthiers) (in oyster; Charleston, S. C.).—Ziegler, 1883, 540 (cucullus).

*eculus* McCrady, 1874, descr. of fig., misprint.

[*gutturalis*, see Smith, reptile.]

*haimeanus* Lacaze-Duthiers, 1854a, 294-302, pl. 6, figs. 1-10 (in Ostrea edulis, Cardium rusticum; Balearic Isles, Mahon, Cette).—Babcock, 1875a, 144, 145, 146, pl. 98, figs. 6-7.—Braun, 1893a, 834.—Caullery & Chappellier, 1906, 325.—Claparède, 1863, 10, 11 (to Cerc.).—Dies., 1855a, 379, 396, type of B. (Bucephalopsis); 1858d, 276 to (Bucephalopsis).—Erc., 1881e, 41, 87 (haimejanus); 1882a, 277, 323 (haimejanus).—Fil., 1855b, 21.—Giard, 1874e, 485-487 (encystation) (in Cardium rusticum, Ostrea edulis; Mediterranean); 1874f, 375-377; 1874g, 276-278; 1875a, 466-467; 1897, 955.—Huet, 1889a, 145-149; 1893a, 40-41.—McCrady, 1874, 176, 178, 179, 180.—Moore, 1875a, in 50-57, pl. 3.—Moul., 1856a, 86, 87, pl. 5, fig. 7, 178 (in Ostrea edulis, Cardium rusticum; Balearic Isles, Mahon, Cette).—Pag., 1857, 10; 1862, 295, 298 to (Bucephalopsis), 300, 301.—Tennent, 1906, Feb., v. 49 (4), 635-690, pls. 39, figs. 1-17, pl. 40, figs. 18-39, pl. 41, figs. 41-43, 51 (larva of Gasterost. gracilescens in oysters, Ostrea edulis, Cardium rusticum).—Uličný, 1878, 214, 215, 216.—Vaulleuard, 1894, v. 8, 8-14 (in Tapes decussatus, T. pullastra); 1894, 343.—Villot, 1875, 478.—Ziegler, 1883, 539, 540, 567.—Also reported for Belone vulgaris, Cardium edule, Mactra solida.

*haimejanus* Erc., 1881e, 87; 1882a, 323 (for haimeanus).

*intermedius* Uličný, 1878, 211-217, pl. 6, fig. 6 (in Anodonta cellensis).—Braun, 1893a, 834.—Tennent, 1906, 641, 643 (in Anodonta cellensis).—Ziegler, 1883, 541.

[*jardinii*, see Smith, reptile.]

*polymorphus* Baer, [1826a specific name not given]; 1827b, 570-589, pl. 30, figs. 1-27 (in Unio and Anodonta).—Babcock, 1875a, 141-146, pl. 98, figs. 1-5; 1875b, 149-150.—Ben., 1858a, 1861a, 220.—Bettend., 1897a, 13; 1897, 317.—Biehringer, 1884, 3; 1888a, 230.—Braun, 1883a, 54; 1893a, 834, 835, 838, 847.—Claparède, 1863, 10, 11.—Crep., 1839a, 293.—Desmonceaux, 1868, 22.—Dies., 1850a, 294; 1855a, 379, 395 (in Unio pictorum, An. anatina, A. cellensis); 1858d, 274, 275 (syn. Cerc. polym.) (in U. pict., An. cell., A. anat.).—Duj., 1845a, 478.—Erc., 1881e, 37, 38, 41, 44, 45, 60, 87; 1882a, 273, 274, 277, 280, 281, 296, 323.—Fil., 1855b, 21, 22; 1857c, 27, 31.—Gamb., 1896a, 72.—Garner, 1838, 830.—Giard, 1874e, 485, 486.—Hahn & Lefevre, 1884, 806.—Hessling, 1852, 315.—Hoyle, 1890, 540, fig. 4-c.—Jacobson, 301, pl. 8, figs. 1-3.—Juel, 1889, 11.—Kerber, 1851a, 99, 100; 1852a, 72.—Kuech., 1856c, 280.—



## BUCEPHALUS—Continued.

Lacaze-Duthiers, 1854a, 297, 299, 300, 301.—Levin., 1881a, 80, 81.—Looss, 1885b, 19; 1892a, 122.—McCrary, 1874, 176, 178, 179.—Mont., 1888, 33, 77.—Moul., 1856a, 86, 145, 174, pl. 5 bis, fig. 6 (in An. anat., A. cell., U. pict.), see Cerc. polym.—Much., 1898, 11.—Nord., 1840, 548; 1840, 617, 630, 631.—Pag., 1857, 6, 8, 10, 27–28, pl. 3, figs. 2–8 (in An. anat.); 1862, 300, 302.—Poche, 1907, 124, 125.—Sich., 1839, 165; 1854, 14.—Stewart, 1875, July, 1–2, pl. 107.—Tennent, 1906, 638, 641, 643, 646, 655, 660, 662, 663, 678, 682 (in An. mutabilis var. anatina and cellensis, U. pict.).—Uličný, 1878, 214, 215, 216.—Wagener, 1857, 22, 45; 1866, 145.—Ziegler, 1883, 488, 491; 1883, 537, 539, 540, 541–567, pl. 32, figs. 1–12, pl. 33, fig. 17, 23, 25 (in An. mutabilis var. cellensis).

[*typus*, see Smith, reptile.]

BUNODERA Rail., 1896, Mar. 15, 160, Crossodera Duj., 1845 [not Gould, 1837, bird] renamed, hence type nodulosa.—Braun, 1900, 232.—Hass., 1896a, 7.—Heymann, 1905, 83, 89.—Looss, 1899, 580, 594, 595, 597, 598, 599, 604, 671; 1902, 453, 454, 760.—Odhn., 1905, 296.—Pratt, 1902a, 888, 898 (key).—Staff., 1904, May 3, 491.—Stiles & Hass., 1898, 84–86, 96 (syns. Dist. (Crossodera) Duj., Crossodera Duj., 1860 [by Coddold] [not Crossodera Gould, 1837, Aves]) (type Dist. nodulosum Zed., 1800=Fasc. lucioperca Mueller, 1776).

*auriculata* (Wedl, 1857) Osborn, 1903, 63, 64, 67, 70.

*cornuta* Osborn, 1903, 63–73, figs. 1–7 (crawfish, black bass, rock bass, and catfish in Lake Chautauqua, N. Y.); 1905, Jan. 31, 22.

*linearis* (Rud., 1793) Rail., 1896, 160.

*lintoni* Pratt in Lint., 1901b, 435 (syn. Dist. auriculatum of Lint. in Acipenser rubicundus).—Cf. petalosum Lander.

*nodulosa* (Froelich, 1791) [Rail., 1896, 160] Looss, 1899b, 598; 1901, 564; 1902m, 452, 453.—Engler, 1904, 186.—Heymann, 1905, 83, 85.—Kowal., 1902d, 26 (8); 1904, 24 (9) (in Perca fluviatilis; Galicia).—Osborn, 1903, 63, 64, 67, 68, 70, 71, 72.—Staff., 1904, May 3, 489–490 (in P. flavescens Mit.; Canada).

BUNODERINÆ Looss, 1902, 453.—Pratt, 1902a, 888, 898 (key), contains Bunodera, Tergestia.

CÆCINCOLA Marshall & Gilbert, 1905, 477, 478–481 (m. parvulus).

*parvulus* Marshall & Gilbert, 1905, 478–481, pl. 15, figs. 1–4 (in Micropterus salmoides; near Madison, Wis.).

CALCEOSTOMA Ben., 1858a, 1861a, 11, 57, 59–60, 194, 196 (m. elegans).—Ben. & Hesse, 1864, 121.—Brand., 1894a, 305, 306.—Braun, 1890a, 411, 412, 416, 443, 451, 468, 472, 478, 483, 484, 492, 512, 514, 516, 517, 523, 542; 1893a, 890.—Dies., 1858c, 379 (syn. of Dactylogyrus calceostoma Wagener); 1859c, 441 (1 sp. elegans=calceostoma).—Gamb., 1896a, 73.—Hoyle, 1890, 539 (on Sciaena aquila).—Jackson, 1888, 642, 646, 648, 654.—MacLaren, 1904, 598, 599, 600.—Mont., 1888, 14, 52, 84, 86, 101, 107; 1891, 108; 1892, Oct. 7, 213 (g. of Calceostominae); 1903, 336 (subf. Calceostominae); 1905, 65, 66, 67, 68.—Par. & Perugia, 1890, 12; 1890, 8, sp.—Pratt, 1900a, 646, 654 (key), 657, fig. 49.—St.-Remy, 1898, 524, 564, sp.—Sons., 1890, 172; 1890, 174–176.—Tasch., 1879, 69; 1879, 265 (syn. Dactylogyrus Wag.).

1859: Calceostomum Dies., 1859c, 441, for Calceostoma.

*elegans* Ben., 1858a, 1861a, 60–63, 169, 170, 189, 190, 196, pl. 7, figs. 1–8 (in Sciaena aquila; Belgium).—Ben. & Hesse, 1864, 125–126.—Braun, 1890a, 417, 452, 543, 549, 552.—Dies., 1859c, 441.—Jackson, 1888, 646.—Mont., 1888, 8, 10.—Pratt, 1900a, 657, fig. 49.—St.-Remy, 1898, 564.—Sons., 1890, 174, 175–176 (in Sc. umbra); 1891, 263 (in Sc. um.).—Tasch., 1879, 265 (syn. Dactylogyrus calceostoma Ben.) (in Sci. aq.).

*inermis* Par. & Perugia, 1889, 747 (in Corvina nigra); 1890, 747 (in Corv. nig.); 1890, 8.—Parona, 1894, 139, Genova.—Braun, 1890a, 418, 543, 549, 550; 1891d, 422.—Sons., 1890, 174, 175–176 (in Corv. nigra, Umbrina cirrosa); 1891, 263 (in Um. cirrhosa).

CALCEOSTOMIDÆ Par. & Perugia, 1890, 19 [as subf.].—Mont., 1903, 336 [raised from subf. to f. rank] (subf. 1 Calceostominae (g. Calceostoma, Fridericianella)).

CALCEOSTOMINÆ Mont., 1892, Oct. 7, 213 (subf. of Gyrodactylidæ); 1903, 336 (f. Calceostomidæ).—Braun, 1893a, 890.—Gamb., 1896, 73.

- CALICOTYLE** Dies., 1850a, 290, 431, 651 (m. *kroyeri*).—Braun, 1890a, 412, 415, 426, 435, 442, 447, 452, 454, 455, 468, 471, 472, 478, 483, 484, 491, 492, 511, 515, 516, 517, 523, 530, 531; 1893a, 890; 1896b, 7; 1899c, 80–82, 1 fig.—Cerf., 1894, 947; 1898b, 347, 352, 356, 362 (Calycotyle).—Goldb., 1855a, 20.—Goto, 1894a, 226–227; 1893a, 798.—Haswell, 1893e, 112.—Hoyle, 1890, 539.—Ijima, 1884c, 638.—Jackson, 1888, 646, 647, 650, 653.—Juel, 1889, 33.—Kerbert, 1881a, 572 (Callicotyle).—Looss, 1892a, 72.—Mont., 1888, 10, 11, 13, 37, 52, 57, 59, 65, 66, 84, 86, 88, 97, 98 (Callicotyle); 1888, 56, 57, 58, 60 (Callycotyle); 1891, 109, 127; 1903, 336 (subf. Calycotylinæ); 1905, 70.—St.-Remy, 1898, 523, 540.—Stoss., 1898, 9.—Tasch., 1878, 176 (Callicotyle); 1878, 573; 1879, 49, 50, 54, 57, 58, 60, 62, 64, 65, 66, 68; 1879, 236.
- 1850: Calycotyle Dies., 1850a, 650.
- 1858: Callicotyle Dies., 1858e, 313, 362.
- 1888: Callycotyle Mont., 1888, 56, 57, 58, 60.
- 1902: Calliocotyle Scott, 1902, 299–300.
- 1905: Callocotyle Scott, 1905, 117.
- kroyeri* Dies., 1850a, 431 (on *Raja radiata*: Kattégat).—Braun, 1890a, 410, 418, 420, 428, 434, 438, 449, 456, 461, 487, 512, 514, 531, 547, 551; 1899, 80, 81.—Cerf., 1894, 948.—Cunningham, 1887a, 278.—Goto, 1891a, 159, 184.—Ijima, 1884c, 638.—Juel, 1889, 14, 37.—Kath., 1894a, 152.—Kroyer, 1852–53a, 961 (*kroyeri*) (in *Raja radiata* Don.).—Looss, 1885b, 5, 18.—Mont., 1888, 7, 15, 53 (Callicotyle); 1891, 108, 111, 116, pl. 6, figs. 33–35.—Par. & Perugia, 1890, 6.—Pratt, 1900a, 656, fig. 20, 657.—Stoss., 1898, 9–10.—Tasch., 1878, 176 (Callicotyle); 1878, 573 (Callicotyle); 1879, 48, 49, 52, 55, 56, 61.—Wierzejski, 1877, 18 Oct., 550–561, pl. 31.—Ziegler, 1883, 545.
- kröyeri* Wierzejski, 1877, 550, pl. 31.—Hoyle, 1890, 539.
- kræyeri* Hæk, 1856a, 507–512; 1857a, 157–160, 1 fig.
- mitsukurii* Goto, 1894a, 227–229, pl. 19, t. h. *Rhina* sp.; Mitsugahama.—Braun, 1899, 80.—Cerf., 1898b, 341.
- stossichi* Braun, 1899, 80–82, 1 fig. (in *Mustelus laevis*: Berlin Aquarium).
- CALICOTYLEA** Dies., 1850a, 290, 431, subtribe of Monocotylea.—Goldb., 1855, 20.
- CALICOTYLINÆ** Mont., 1903; 1905, 70.
- CALLICOTYLE** Dies., 1858e, 313, 362 (see Calicotyle).—Ben. & Hesse, 1864, 66, 79.—Carus, 1863, 477.—Mont., 1893, 118.—Scott, 1902, 299–300.—Stoss., 1885, 162.
- kroyeri* (Dies., 1850) Dies., 1858e, 362 (on *Raja radiata*, R. *batis*).—Ben. & Hesse, 1864, 79.—Mont., 1888, 7, 15, 53.—Tasch., 1878, 176; 1878, 573.
- kröyeri* Wierzejski, 1877, 550–551.—Scott, 1902, 299–300, pl. 13, fig. 30 (on *Raja clavata*).
- kræyerii* Ben., 1870, 16.
- CALLIOCOTYLE** Scott, 1902, 299–300, for Calicotyle, q. v.
- kröyeri* (Wierzejski, 1877) Scott, 1902, 299–300, pl. 13, fig. 30 (in *Raja radiata*, R. *clavata*).
- CALLOCOTYLE** Scott, 1905, p. 117, for Calicotyle, q. v.
- kröyeri* (Wierzejski, 1877) Scott, 1905, 117.
- CALLODISTOMUM** Odhn., 1902, 154 (m. *diaphanum*).—Pratt, 1902a, 888, 900 (key), related to Anaporrhutinæ.
- diaphanum* Odhn., 1902, 154 (in *Polypterus bichir*: White Nile River).
- CALYCODES** Looss, 19011, 565 (m. *anthos*); 1902m, 462 (*καλυκώδης*, knospenartig), 463, 839.—Pratt, 1902a, 888, 896 (key).
- anthos* (Braun, 1899) Looss, 19011, 565–566; 1902m, 458–463, 869, pl. 21, figs. 17, 18 (includes Dist. *anthos* Braun, 1899, 720; 1901, 27, pl. 2, figs. 20–22, 24, 31).
- CALYCOTYLE** Dies., 1850a, 650, for Calicotyle, q. v.
- kroyeri* (Dies., 1850) St.-Remy, 1898, 540, 541 (in *Rhombus maximus*).
- mitsukurii* (Goto, 1894) St.-Remy, 1898, 540–541.—Cerf., 1898b, 341.
- CALYCOTYLINÆ** Mont., 1903, 336 (subf. of Monocotylidæ).

- CAMPULA** Cobbold, 1858b, 168; 1859d, 363 (m. *oblonga*).—Braun, 1893a, 885, 894; 1900g, 249–250, 254; 1901b, 34, 37, 38; 1902b, 5 pp.—Jackson, 1888, 648.—Looss, 1899, 558, 559, 560; 1901, 658; 1901, 208; 1902, 504, 708, 709, 715, 717, 718, 719, 730, 775–778.—Mont., 1888, 92; 1893, 153.—Odhm., 1905, 339, 344.—Pratt, 1902a, 887, 893 (key).—Stiles, 1901, 203, 204, 205.—Stiles & Hass., 1898, 85, 88, 97 ([error] syn. *Opisthorchis* R. Bl., 1895).
- bilis* (Braun, 1790) Rail., 1898, 412.
- crassiuscula* var. *janus* (Kowal., 1898) Rail., 1898, 412.
- felinca* (Rivolta, 1884) Kholodk., 1898, 354–355.—Type of *Opisthorchis*.
- janus* (Kowal., 1898) Rail., 1898, 412.
- oblonga* Cobbold, 1858b, 168, pl. 33, figs. 84–85 (in *Delphinus phocaena*) 1860a, 4; 1879, 419.—Braun, 1900g, 249–254, figs. 1–3; 1902b, 5.—Looss, 1899b, 558, 559, 560; 1902m, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 775, 776, 777, 778.—Mont., 1893, 44.—Stiles, 1901, 203, 204, 205.—Stiles & Hass., 1898, 85, 88, 97 (type of *Campula*).—Stoss., 1892, 16 (to Dist.).
- palliat*a (Looss, 1885) Looss, 1901, 208.—Type of *Brachycladium*.
- poturzyensis* (Kowal., 1898) Rail., 1898, 412.
- simulans poturzyensis* (Kowal., 1898) Rail., 1898, 412.
- CAPSALA** Bosc, 1811, 384–385 (m. *martinieri*).—Ben., 1858a, 1861a, 11, 38.—Blainv., 1828, 568–569.—Braun, 1890a, 518.—Dies., 1850a, 428 (syn. of *Trist. Cuv.* and pp. syn. of *Trochopus* Dies.).—Johnston, 1865, 30, 33.—Encycl. méthodique, 1824, 164.—Massa, 1906, 51 (of Nord., syn. of *Trochopus*).—Nitzsch, 1826, 150–151.—Nord., 1840, 602.—Tasch., 1878, 563, 566 (syn. of *Trist.*).
- coccinea* (Cuv., 1817) Blainv., 1828a, 569.—Baird, 1853a, 42.—Dies., 1850a, 429 (to *Trist.*).—Moquin-Tandon, 1846, 396.—Tasch., 1878, 567 (to *Trist.*).
- elongata* (Nitzsch, 1826) Nord., in Lam., 1840, 602 (syn. *Nitzschia elegans* Baer).—Baird, 1853a, 42 (includes: *Hirudo sturionis*, *Phylline hippoglossi*, *Trist. elongatum*, *Nitzschia elegans*).—Dies., 1850a, 426 (syn. of *Nitzschia elegans*).—Johnston, 1865, 33.
- maculata* (Rud., 1819) Nord. in Lam., 1840, 602.—Dies., 1850a, 430 (to *Trist.*).—Tasch., 1878, 567 (to *Trist.*).
- martinieri* Bosc, 1811, 384–385 (in *Diodon* sp. incerta).—Blainv., 1828a, 569.—Dies., 1850a, 430 (syn. of *Trist. maculatum*).—Moquin-Tandon, 1846, 396–397.—Nitzsch, 1826, 150.—Tasch., 1878, 567 (to *Trist.*).
- papillosa* (Dies., 1836) Nord. in Lamarek, 1840, 602 (in *Xiphias gladius*).—Dies., 1850a, 431 (to *Trist.*).—Stoss., 1898, 6.—Tasch., 1878, 567 (to *Trist.*).
- rudolphiana* (Dies., 1850a) Johnston, 1865, 33.
- sanguinea* Blainv., see Dies., 1850a, 429 (syn. of *Trist. rudolphianum*).—Nord., 1840, 602 (syn. *Trist. coccineum* Rud.) (in *Xiphias*).—Stoss., 1898, 5.—Tasch., 1878, 567 (syn. of *Trist. molæ* Blanch.).
- tubipora* (Dies., 1835) Nord. in Lamarek, 1840, 602.—Dies., 1850a, 428 (type of *Trochopus*; renamed *T. longipes*).—Massa, 1906, 53 (to *Trochopus*).—Mont., 1891, 123.—Stoss., 1898, 7.—Tasch., 1878, 568 (to *Trist.*).
- CAPSALIDE** Baird, 1853a, 41.—Johnston, 1865, 32, 299.
- CATADISCUS** Cohn, 1904, 243 (m. *dolichocotyle*).
- dolichocotyle* (Cohn, 1903) Cohn, 1904, 242–243.
- CATATROPIS** Odhn., 1905, 366, 367 (tod. *verrucosa*).
- verrucosa* (Frølich, 1789) Odhn., 1905, 366–370, fig. 4, pl. 4, fig. 10 (includes *Fasc. verrucosa* Frølich, 1789, 112, pl. 4, figs. 5–7; *F. anseris* Gmelin, 1790a, 3055; *Monost. verrucosum* Zed. of Levin., 1881, 78; ? c. p. *Notocotyle verrucosum* Frølich of Mont., 1892, 40); in *Somateria mollissima*, *S. spectabilis*, *Mergus serrator*; west coast of Sweden and Arctic region; also in *Anser domesticus*, *A. cinereus*, *A. leucopsis*, *Cygnus musicus*, *Bucephala clangula*, from Pommern.
- species from *Spatula clypeata*; Egypt.—Odhn., 1905, 369, see Looss, 1899b, 664.
- CATHEMASIA** Looss, 1899b, Dec., 562–563 (tod. *hians*); *κατά* nach unten; *ἡ αἰναδία* die Dornen.—Braun, 1901b, 33; 1901g, 896; 1902b, 4.—Pratt, 1902a, 887, 896 (key).—Stoss., 1901, 93 (5).
- fodicans* Braun, 1901g, 896–897 (in *Sterna nigra*; Vien. Mus.), 631; 1902b, 4, 5 (in *S. nig.*).
- hians* (Rud., 1809) Looss, 1899b, 563 (of Much.).—Braun, 1902b, 5.—Stoss., 1901, 93 (5).

- CATOPTROIDES Odhn., in Looss, 1902m, 857 (Gorgoderinae), 861, 862 (tod. spatula).  
*spatula* (Odhn., 1902) Odhn. in Looss, 1902m, 857, 862.  
*spatulaforme* (Odhn., 1902) Odhn. in Looss, 1902m, 857.
- CENTROCESTINE Looss, 1899b, 586.—Jägers., 1903a, 14.—Pratt, 1902a, 888, 894 (key), contains Centrocestus, Ascocotyle; related genera, Aranthocasmus, Anoiktastoma.
- CENTROCESTUS Looss, 1899b, Dec., 584, 586 (m. cuspidatus); τὸ κέρτριον, spine; ὁ κεδρός, Gürtel; 1902m, 832, 833.—Braun, 1902b, 30.—Jägers., 1903a, 14.—Pratt, 1902a, 888, 894 (key).  
*cuspidatus* (Looss, 1896) Looss, 1899b, 582, 584.
- CENTRODERMA Luehe, 1901, 59 (tod. spinosissimum).  
*spinosissimum* (Stoss., 1883) [Luehe, 1901d, 59].
- CENTROVARIUM Staff., 1904, May 3, 493 (m. lobotes).  
*lobotes* (MacCallum, 1895) Staff., 1904, May 3, 493 (in Esox lucius, Stizostedion vitreum).
- CEPHALOBDELLIDEA Dies., 1850a, 291 (subtribe of Monocotylea to contain Astacobdella, Peltogaster, Pachybdella, Trachelobdella, Podobdella, Pontobdella, Ichthiobdella, Branchiobdella), 433, 650.—Goldb., 1855, 20.
- CEPHALOGONIMINÆ Looss, 1899b, Dec., 628; 1900, 561.—Luehe, 1901, 487-488.—Pratt, 1902a, 889, 901 (key), includes Cephalogonimus, Emoleptalea, Prosthogonimus; related genus Stromylotrema.
- CEPHALOGONIMUS Poir., 1886, 22 (m. lenoiri) κεφαλή, γόνιμος.—Braun, 1892a, 642, 645, 696, 704, 705, 713, 715, 733; 1893a, 885, 886, 890, 893, 909, 911; 1895, 138; 1900h, 3; 1902b, 68.—Looss, 1894a, 173, 174; 1899b, 536, 538, 541, 625, 626-627, 628, 721.—Luehe, 1899, 539; 1900, 555.—Moniez, 1896, 89.—Mont., 1888a, 15, 34, 92, 104; 1892, Oct. 7, 214 (gen. of Distominae); 1893, 82, 95, 154, 157; 1896, 167.—Neumann, 1892, 345.—Pratt, 1902a, 889, 901 (key).—Stiles & Hass., 1898a, 85-86, 96.—Stoss., 1892, 4; 1898, 23.
- americanus* Staff., 1902, 5 Nov., 719-725, 1 pl., figs. 1-4 (in Rana virescens; Ashbridge's Bay, Toronto; May; also ? R. clamata); 1902, 30 Dec., 844; 1905, July, 52; 1905, Apr. 11, 687 (int. R. vir.; R. clamata).
- lenoiri* Poir. [1885, 3, pl. 2, figs. 1-2;], 1886, 22-24, pl. 2, figs. 1-3 (in Tetrathyrva vaillantii Roch; Sénégal).—Braun, 1892a, 734; 1899b, 715; 1902b, 68.—Looss, 1899b, 626, 627; 1902m, 418 (in Trionyx nilotica), 783.—Luehe, 1899, 539.—Mont., 1893, 83, 102, 105, 106, 107, 157; 1896, 167 (lenori).—Stiles & Hass., 1898a, 85, 96.—Staff., 1902, 719, 725.—Stoss., 1895, 213.
- lenori* Mont., 1896, 167, for lenoiri.
- ovatus* (Rud., 1803) Stoss., 1892, 144; 1896, 126; 1898, 23; 1902, 13 (of 1896, 126, syn. of Cyclocœlum mutabile Zed.).—Hass., 1896a, 2 (syns. Fasc. ov. Rud., Dist. ov. (Rud.); D. buricola (Crep.) (in Gallus dom.)).—Looss, 1899b, 629 (type of Prymnoprion), 720, 721.—Luehe, 1899, 539 (type of Prosthogonimus).—Mont., 1893, 157.—Rail., 1893a, 368.—Sons., 1890, 134.—Stiles & Hass., 1898a, 85.—Reported also for Accipiter nisus, Anser cinereus dom., Ardea cinerea, Bucephala clangula, Buteo vulgaris, Corvus cornix, Gallinago scolopacina, Harelda glacialis.
- pellucidus* (Linst., 1873) Rail., 1890, 138; 1893a, 369.—Braun, 1902b, 68.—Hass., 1896a, 2 (in Gallus dom.).—Looss, 1894a, 174.—Mont., 1893, 157.—Stiles & Hass., 1898a, 85.
- CERATIUM Schrank, 1793.—Nitzsch, 1827, 69, contains Cerc. tripos [cf. Ceratium for Keratella Bory, 1824].
- CERCARIA Mueller, 1773, 64-70 (contains gyrinus, catellus, podura, lupus, lemna, cyclidium, tenax, pleuronectes) [apparently lemna is type; cf. Braun, 1889a, 312, 315]; 1786.—Abildg., 1793, 88.—Aitken, 1866, 801, 806, 837; 1872, 144, 148, 204.—Assenova, 1899, 64-65.—Ben., 1882b, 14.—R. Bl., 1888a, 551, 557, 558, 559, 560, 561, 562, 604, 605, 610, 620, 627, 628, 647; 1890h, 2, 3.—Bojanus, 1818a, 729-730 [688-689].—Bory de St. Vincent, 1823a, 354-355; 1823b, 355-356 (cercariées); 1824d, 189-191.—Bosc, 1802a, 223-224.—Braun, 1889a, 312 (only malleus and lemna of Mueller's original species of 1773 are true Cercaria); 315 (only inquieta and lemna of Mueller's, 1786, Cercaria are true Cercaria); 1890a, 515; 1892a, 767, 775; 1893a, 884; 1893b, 183 (of Dist. recurvatum Linst., in Physa alexandrina).—Bruguière, 1792, 456, 458.—Burm., 1837, 529; 1856a, 246, 250.—Cobbold, 1858a, 9 (structure); 1859d, 365 (in Cervus axis).—Dadai, 1888c, 107-109; 1888e, 105-106, pl. 3, fig. 16; 1888f, 84-86, pl. 3, figs.

## CERCARIA—Continued.

- 11, 13 (Gulf of Naples); 1888g, 107–109, pl. 3, figs. 11, 13.—Dies., 1850a, 286, 293 (of *Abildg.*, syn. of *Cheilost.*), 294 (of Nitzsch, syn. of *Malleolus*), 295–298, 299 (of Nitzsch, syn. of *Histriionella*); 1855a, 377–400 (revision); 1858d, 239–290, 245–246.—Duj., 1845a, 475–478; 1845b, 57–58.—Eichwald, 1829a, 247.—Fewkes, 1822a, 134–145 (with caudal setae); 1882b, 192.—Gmelin, 1790a, 3891.—Goldb., 1855a, 16.—Herbst, 1787a, 19; 1789a, 129.—Hogg, 1870a, 232–235, pl. 50, figs. 1–3.—Jackson, 1888, 643, 651, 652, 653.—Johnston, 1865, 18.—Lereboullet, 1847a, 300 (migrations); 1847b, 266 (in insects).—Lespès, 1857b, 113–117, figs. 11–16 (of marine mollusks).—Leuck., 1863, 34, 73, 74, 493; 1879a, 41, 96; 1886d, 31, 72, 376.—Lint., 1905, 333, 401 (in *Monacanthus hispidus*).—Looss, 1892a, 124.—Mont., 1888, 4, 14, 24, 35, 37, 44, 45, 46, 74, 76, 79, 83, 94; 1892, 38.—Mueller, 1786, 119; 1850, 496.—Moul., 1856, 123.—Nitzsch, 1827, 66–69.—Nord., 1840, 617, 630–632.—Pag., 1857, 3, 4.—Parkes, 1891, 267.—Perroncito, 1879, 7–9 (in *Rana esculenta*); 1880, 454; 1884, 154; 1885, 208–209.—Piana, 1882, 12 pp. (of mollusks); 1882, v. 5.—Quintart, 1905, 724–725 of *Barleeia rubra* (Adams).—Schränk, 1803, 20.—Sieb., 1839, 153; 1850, 668.—Sons., 1884, 15 Dec., 57–61 (cellules à bâtonnets).—Steenstrup, 1842, 28.—Tasch., 1879, 233.—Vaney, 1901, 29 Apr., 1062–1064; 1901, 105 (in land mollusks).—Villot, 1875, 479 (in *Conus mediterraneus*).—Wagener, 1834, v. 27 (2), 131–132, pl. 1, fig. 4; 1857, 21.—Ward, 1903, 863, 864.—Wagner, 1883, 120.
- 1888: *Cercavia* Mont., 1888, 80, misprint.
- I. Baer, 1827b, 621, pl. 31, figs. 1–4.—Dies., 1850a, 295 (syn. of *Cerc. vesiculosa*).
- II. Baer, 1827b, 622, pl. 31.—Dies., 1850a, 296 (syn. of *Cerc. chlorotica*).
- III. Baer, 1827b, 623, pl. 31, fig. 3.—Dies., 1850a, 296–297 (syn. of *Cerc. brunnea*); 1855a, 387.
- V. Baer, 1827b, 625, pl. 31, figs. 5a, a.—Dies., 1850a, 299 (syn. of *Histriionella ephemera*).
- VI. Baer, 1826a; 1827b, 627, pl. 31, figs. 6a, 6b.—Dies., 1850a, 295 (syn. of *Malleolus furcatus*).
- VII. Baer, 1827b, 629, pl. 31, figs. 7a–b.—Dies., 1850a, 297 (syn. of *Cerc. fallax*); 1855a, 388.
- acerca* Biehringer, 1884a, 3 (in *Onchidium carpenteri* Stearns).—Braun, 1892a, 807 (in *O. carp.*).
- aculeata* Erc., 1881. See Par., 1894, 163 (in *Lymnæa auricularia*; Bologna).
- affinis* Eichwald, 1829a, 247–248, pl. 1, fig. 15a–c (in *Lymnæus stagnalis*).
- agilis* Fil., 1857c, 4–5, pl. 1, fig. 2 (in *Lymnæus stagnalis*; Turin).—Ben., 1858a, 1861a, 215, 216.—Dies., 1858d, 248–249 to (*Gymnocephala*).—Par., 1894, 162.
- agilis* Leidy, 1858a, 110 (free in Delaware River); 1904a, 111.
- alata* (Hemp. & Ehrenberg, 1828) Moul., 1856a, 213.
- alba* Erc., 1881e, 12 (for *C. brunnea* var. Dies.); 1882a, 248.
- amphistomi subclavati* Ben., 1858a, 82 (in *Cyclas cornea*, etc.).—Dies., 1859c, 435 (syn. of *Diplodiscus subclavatus*).—Erc., 1881e, 24, 35; 1882a, 260, 271.—Gerv. & Ben., 1859, 212.—Moul., 1856a, 20, 95, 106–107, 125, 208–211, pl. 6, fig. 10 (syns. *Redia gracilis* Fil., 1837, *Diplodiscus diesingii* Fil., *Diplocotyle mutabile* Dies.) (in *Planorbis nitidus*; Ticini; P. vortex; Moncalier).
- arcuata* Steenstrup.—Erc., —.—See Par., 1894, 164 (in *Lymnæa obscura*, L. stagnalis; Bologna).
- armata* Sieb., 1837, 187 (based on Wagener, 1834, 131); [1835, 336;] 1850, 646, 669; 1854, 18, 21, 26, 27, 28.—Baillet, 1866b, 9, 92, 93, 94, 96.—Ben., 1858a, 1861a, 91, 92, 96, 168, 180, 220.—Biehringer, 1884, 2, 11, 14, 17, 24, 25.—Braun, 1892a, 598, 634, 636, 642, 701, 769, 771, 797, 806, 807, 809, 810, 814; 1893a, 820, 822, 829, 839, 848, 859, 963; 1900, 225.—Cobbold, 1879b, 454.—Desmonceaux, 1868, 21.—Dies., 1850a, 298 (includes *Dist. tarda*): 1855a, 377, 381, 388 to (*Xiphidiocercaria*) (in *Lymnæus stagnalis*, *Planorbis corneus*); 1858d, 251–252 to (*Acanthocephala*), larva of *Dist. endolobum* Duj. (in *Plan. corn.*, *Lymn. stag.*, *Paludina impura*), 259 (of Fil., 1855b, 305, pl. 1, figs. 2–4, syn. of *C. (Acanthocephala) micracantha* Dies.); 1859c, 434.—Dowker, 1882a, 9, 11.—Erc., 1881e, 13, 15, 18, 21–23, 48, pl. 1, figs. 32–37; 1882a, 249, 251, 254, 257–259, 284; 1881e, 19–21; 1882a, 255–257 (of Steenstrup).—Fil., 1854a, 6, 7, 8, 9, 10, 12, 22, 24; 1855b, 3–5, 7, 20, 21, 23, pl. 1, figs. 1–4 (in *Lymn. pal.*; Mon-

## CERCARIA—Continued.

- calier); 1856a, 257; 1857c, 3, 16, 32.—Florance, 1866a, 4, 11.—Fraipont, 1880a, 397; 1880c, 417, 419, 441; 1881b, 4; 1883a, 35.—Hahn & Lefèvre, 1884a, 516.—Harz, 1881c, 4.—Hoyle, 1890, 538 (cf. *Dist. signatum*; D. muris).—Juel, 1889, 15.—Kath., 1894a, 136, 139.—Kerbert, 1881a, 556.—Knoch, 1862, 100, 103.—Leuck., 1863, 73, 504, 506, 508, 510, 511, 515, 522, figs. 146, 168, 175, 176, 177; 1879a, 96.—Linst., 1873, 1 (larva of *Dist. endolobum* Duj.); 1887, 98, 99, 100; 1887, 102 (syn. of *Dist. ascidia* Ben.).—Looss, 1885b, 19; 1892a, 128; 1894a, 90 (armata), 237, 252.—Macé, 1882, 61.—Mont., 1888, 26, 41, 45, 77, 78, 80; 1888, 196, 197.—Moul., 1856a, 77 (Lymn. stag., Plan. corn.), 78–79, pl. 5, figs. 2–4, 80, 102, 103, 116, 118, 146–152, pl. 5, bis fig. 10, 153, 154, 155, 156, 162, 163, 186, 217, 226, 227, 234 (in Pal. imp. Valette; Berlin; Lymn. stag., Plan. corn., Lymn. palustris; Moncalier).—Nord., 1840, 631.—Pag., 1857, 9, 18–19, 39 (in Lymn. stag.).—Par., 1894, 162.—Roewer, 1906, 217.—Rossbach, 1906, 363.—Schwarze, 1886, 63.—Sons., 1897, 253.—Steenstrup, 1842, 42–47, 51, 57, 78–94, pl. 3, figs. 1–6.—Stoess., 1892, 21.—Tennent, 1906, 661.—Valette St. George, 1855, 18, pl. 1, figs. P–Q.—Villot, 1882, 507.—Vogt, 1878, —, fig. 33.—Wagener, 1834, 131, pl. 1, fig. 4; 1857, 22.
- armata minor* (Distomi retusi) Ben., 1858, 98, pl. 11, figs. 9–27 (in *Lymnaeus stagnalis*; Belgium).—Dies., 1859c, 434 (syn. of *Dist. retusum*).
- armatae* Looss, 1894a, 90, not as specific name, but as descriptive of several forms and used in the plural.
- bilineata* Haldemann, 1840a, 3 (in *Limnea catascopium*; Camden on Delaware).—Dies., 1850a, 300 (to *Histrionella*).
- bipartita* Sons., 1897, 253 (in *Limnaea palustris*; Pisa); 1897, 4.
- brachysoma* Villot, 1878, 27–28, pl. 9, figs. 1–3 (in *Anthura gracilis* Leach).—Mont., 1888, 94 (larva of *Dist. brachysoma*).
- brachyura* Fil., 1837a, 337, figs. 8–14 (in *Planorbis submarginatus*; Pavia), teste Par., 1894, 161 (in *Plan. submarg.*; Pavia), see next entry.
- brachyura* Dies., 1850a, 296 (*Dist. polymorphum* Fil., 1837a, 337, figs. 8–14, renamed) (in *Planorbis submarginatus*; Ticini); 1855a, 386 to (*Eucercaria*); 1858d, 257, to (*Acanthocephala*) (syns. C. (*Eucerc.*) br.; (in *Plan. submarg.*; Ticini; P. nitidus, P. vortex).—Moul., 1856a, 213 (syn. *Dist. polymorphum* Fil., 1837).
- brachyura* Lespès, 1857b, 117, pl. 1, fig. 15 (in *Trochus cinereus*).—Braun, 1893a, 831.—Dies., 1858d, 257 syn. of C. (*Acanthocephala*) *pachycerca*.—Pag., 1862, 297 (in *Trochus cinereus*).—Villot, 1875, 479 (in *Trochus cinereus*).
- brevicaudata* Piana, 1882 (in *Helix carthusiana*; Reggio Em.) teste Par., 1894, 161, 622.
- brunnea* Dies., 1850a, 296–297 (*Cerc.* III. Baer, 1827b, 623, pl. 31, renamed) (in *Lymnaeus stagnalis*; Regiomontii); 1855a, 387 to (*Eucercaria*); 1858d, 247, to (*Gymnocephala*), syn. C. (*Eucerc.*) br.; (in Lymn. stag.).—Baillet, 1866b, 96.—Ben., 1858a, 1861a, 89, 180 (syn. of *Dist. echinata*).—Erc., 1881e, 8–9, 11, 12, pl. 1, figs. 3–9; 1882a, 244–245, 247, 248 (in *Paludina vivipara*).—Linst., 1887, 104.—Moul., 1856a, 80–81, 118, 157–158 (in Lymn. stag.).—Par., 1894, 162 (in Pal. vivip.; Bologna, Erc.).
- buccini mutabilis* (Fil., 1855) Dies., 1858d, 266, to (*Acanthocephala*) (syn. *Dist. bucc. mutab.* Fil., 1855b) (in *Buccinum* (*Nassa*) *mutabile*; Genoa).—Mont., 1888, 75.—Moul., 1856a, 85, 104, 168.
- bucephalus* Erc., 1881e, 40, 41–44, 60, 87, pl. 1, figs. 38–42; 1882a, 276, 277–280, 296, 323 (from *Unio pictorum*).—Braun, 1893a, 834, 839.—Tennent, 1906, 641, 643 (in *Unio*, *Anodonta*).—Ziegler, 1883, 541.
- capriciosa* Cuénnot, 1892, in 1–23 (in *Synapta inhaerens*) teste Braun, 1893a, 921 (syn.? *Cerc. megacotyle* Vill.); 1893b, 183.
- capularia* Sons., 1892, 7, Oct., 144–146, pl. 18, figs. 6–7 (in *Cleopatra bulimoides*; Cairo, Egypt).—Braun, 1893b, 183.—Looss, 1896b, 223, 226, 227, pl. 16, figs. 183–190 (in Cl. bul. Jick.; near Alexandria).
- caryophyllata* Bory St. Vincent, 1823a, 354 (in *Infusions de chènevis*).
- ratellina* Mueller, 1786, 130–131, pl. 20, figs. 12–13 (in *Aqua fossarum*, ubi *Lemna*).—Bosc, 1802a, 226–227.—Bruguère, 1792a, 456, 462–463.—Nitzsch, 1827, 68 to *Dicranophorus*.

## CERCARIA—Continued.

- catellus* Mueller, 1773, 65–66 (“in aqua anno ferre in vasculo cum Hydrachnis servata ac in aqua flores per septimanam nutriente”); 1776, 206; 1786, 129–130, pl. 20, figs. 10–11.—Bosc, 1802a, v. 3, 226.—Bruguière, 1792a, 456, 462.—Gmelin, 1790a, 3892.—Herbst, 1789a, 129.—Nitzsch, 1827, 68 to Dicranophorus.
- cellulosa* sp. inq. Looss, 1896b, 227–229, 232, pl. 14, figs. 159–161 (in Melania tuberculata Bourg.; near Alexandria, Egypt).
- cercopitheci* Cobbold, 1861e, 119 (in Cercopithecus fuliginosus).
- cervi* Cobbold, 1861e, 119 (in Cervus axis).
- chlorotica* Dies., 1850a, 296 (Cerc. II. Baer, 1827b, renamed) (in Paludina vivipara: Regiomontii); 1855a, 386 to (Eucercaria); 1858d, 252–253 to (Acanthocephala) (syn. C. (Eucerc.) chlor. Dies.) (in Pal. vivip.).—Baer, 1827b, 622, pl. 31.—R. Bl., 1888a, 554.—Erc., 1881c, 7–8, 9, 11, 12, pl. 1, figs. 1–2 (in Pal. vivip., P. achatina); 1882a, 243–244, 245, 247, 248.—Fil., 1854a, 7.—Mont., 1888, 75.—Moul., 1856a, 80, pl. 5, fig. 7, 103 (syn. of C. microcotyla Fil.), 157, pl. 5, bis fig. 12 (syn. Cerc. II of Baer; in Pal. vivip.).—Par., 1894, 163.
- clausi* Mont., 1888, 79 (for clausii).
- clausii* Mont., 1888, 77, 79 (clausi); 1891, 110.—Braun, 1893a, 837, 854.—Giard, 1897c, 954, 955 (clausi).—Pintner, 1891, 285–294, 1 pl.; 1892, 619.
- columbella* Pag., 1862, 306, pl. 29, figs. 1–3 (in Columbella rustica).—Braun, 1889a, 362 (in Col. rust.); 1893a, 831.—Par., 1894, 163 (in Col. rust.; Spezia).
- cometa* Bory St. Vincent, 1823a, 354 (in Infusions d’orge).
- coni mediterranei* Fil., 1857c, 14.—Mont., 1893, 2.—Par., 1894, 163 (in Conus mediterraneus: Mediterranean).
- conum* Erc., see Par., 1894, 164 (in Bythinia tentaculata; Bologna).
- cornuta* Bosc, 1802a, v. 3, 224, pl. 32, fig. 2.
- coronata* Fil., 1855b, 10–13, 15, 23, pl. 1, figs. 11–13 (in Lymnaeus palustris, L. stagnalis: Moncalier); 1857b, 426–429, pl. 1, figs. 11–13; 1857c, 4.—Biehringer, 1884, 5, 22.—Dies., 1858d, 249, 250, to (Gymnocephala) (in Lymn. pal., L. stag.).—Moul., 1856a, 100, 111–114 (redia), 117, 118, 202–203 (in Lymn. stag.; Moncalier; L. pal.).—Par., 1894, 162.
- cotylura* Pag., 1862, 293–305, pls. 28–29, figs. 9–10 (in genital glands of Trochus cinereus; Cettel).—Biehringer, 1884, 15.—Braun, 1892a, 809; 1893a, 831, 839.—Levin., 1881a, 81.—Ziegler, 1883, 540.
- crassa* Erc., 1881 or 1882, see Par., 1894, 164 (in Bythinia tentaculata; Bologna).—Looss, 1894a, 32.
- crassicauda* Erc., 1881 or 1882, see Par., 1894, 164 (in Bythinia tentaculata; Bologna).
- cristata* LaValette, 1855, 23, pl. 2, fig. K (in Lymnaeus stagnalis).—Braun, 1893a, 821, 832, 834, 839; 1893b, 183 (in Cleopatra bulimoides; Cairo, Egypt).—Dies., 1858d, 243 (syn. of Lophocercaria fissicauda Dies.).—Erc., 1881c, 37–41, 42, 43, 44, 87, pl. 1, figs. 23–26 (in Lymn. stag.); 1882a, 273–277, 278, 279, 280, 323.—Fil., 1856b, 86; 1857c, 7–8, pl. 1, fig. 11 (in Valvata piscinalis, Paludina impura, Planorbis submarginatus, Lymn. stag., L. palustris).—Looss, 1896b, 210.—Moul., 1856a, 110, 118, 141, 173 (in Lymn. stag.; Berlin).—Par., 1894, 162.—Ziegler, 1883, 564.
- crumena* Mueller, 1786, 129, pl. 20, figs. 4–6 (in infusio Ulvæ linzæ marino).—Bosc, 1802a, v. 3, 226.—Bruguière, 1792a, 456, 462.—Nitzsch, 1827, 68–69 (type of Crumena).
- cucumcrina* Erc., 1881, see Par., 1894, 164 (in Bythinia tentaculata; Bologna).—Braun, 1893a, 831.
- cycladis rivicolæ* Dies., 1850a, 298 (based on Sieb., 1837, 388) (in Cyclas rivicola, liver); 1855a, 400 to Cercariaeum.—Moul., 1856a, 85, 168 (in Cyc. rivic.).—Uličný, 1878, 212.
- cyclidium* Mueller, 1773, 68–69 (in “aquis purioribus frequens”); 1776, 206; 1786, 137–138, pl. 20, fig. 2.—Bosc, 1802a, v. 3, 228.—Bruguière, 1792a, 457, 465.—Gmelin, 1790a, 3891.—Herbst, 1789a, 130.—Nitzsch, 1827, 69 (type of Cyclidium).—Schränk, 1803, 84.

## CERCARIA—Continued.

- cymbulix* Graeffe, 1860a, 47-49, pl. 10, figs. 4-9 (in *Cymbulia peronii* Les.; Nizza).—Braun, 1892a, 672; 1893a, 833.—Mont., 1888, 75, 77, 81; 1893, 209.—Pag., 1862, 298.—Par., 1894, 165.
- cystophora* Will.-Suhm, 1870, 5 (for *cystophora*).
- cystophora* Wagener, 1866, 145, 146 (in *Planorbis marginatus*).—Biehringer, 1884, 15, 22.—R. Bl., 1888a, 603, 605.—Braun, 1883a, 54, 64; 1889a, 365 (t. h. *Plan. marg.*); 1891c, 218; 1891f, 369; 1892a, 775, 804; 1892b, 188; 1893a, 817, 832, 833, 834, 854, 857; 1893b, 183; 1898a, 1581.—Cobbold, 1876, 211; 1879b, 324.—Creutzberg, 1890a, 6, 7, 8, 27, 29.—Dolley, 1894a, 984 (of Will.-Suhm, larva of *Dist. ovocaudatum*); 1901, 984.—Gamb., 1896, 72.—Hahn & Lefevre, 1884a, 538.—Kholodk., 1898, 28.—Leuck., 1876a, 873.—Looss, 1894a, 111; 1896b, 226, 227, pl. 16.—Rossbach, 1906, 369.—Sons., 1897, 253.—Ssinitzin, 1906, 686 (larva of *Halipegus ovocaudatus*).—Stoss., 1892, 23.—Will.-Suhm, 1870, 4, 5.—Ziegler, 1883, 540.—Zuern, 1882, 209.
- dichotoma* Mueller, in La Valette, 1855, 38 [see Mueller, 1850, 485-500].—Dies., 1858d, 265 (free; Nice), to (*Schizocerca*).—Mont., 1888, 77; 1896, 164.—Moul., 1856a, 213-214.—Pag., 1862, 298.—Villot, 1875, 477, 479; 1878, 37.
- diesingii* (Fil., 1837) Moul., 1856a, 95-96, pl. 5, bis fig. 5 (syns. *Diplodiscus diesingii*; *Redia gracilis*) (in *Planorbis nitidus*, P. vortex).—Dies., 1858d, 272 (syn. *Diplocotyle mutabilis*).
- diplocotylea* Pag., 1857, 25-27, 49, 52, pl. 3, figs. 9-12 (in *Planorbis marginatus*; includes *Redia gracilis* Filippi); 1862, 301.—Braun, 1893a, 839.—Cobbold, 1879b, 452, 454.—Dies., 1858d, 241, 242, 273 (syn. of *Diplocotyle mutabilis*).—Fil., 1857c, 32.—Kitt, 1885a, 148 (larva of *Amphist. subclavatum*).—Looss, 1902m, 444 (syn. of *Amphist. subcl.*).—Villot, 1878, 36 (syn. *Diplodiscus diesingii* Filippi).
- discus* Mueller, 1786, 138, pl. 20, fig. 3 (in *aqua palustri raro*).—Bosc, 1802a, v. 3, 228.—Bruguière, 1792, 457, 465-466.—Nitzsch, 1827, 69 (to *Cyclidium*).
- distomata* Linst., 1889a, 118, based on Sons., 1884, 98-102 (in *Cleopatra bulimoides*).—Braun, 1893b, 183 (in *Cl. bul.*).—Looss, 1896b, 197-204, pl. 14, figs. 152-158 (in *Cl. bul.*; Egypt).—Sons. [1884, 61 (*Cercaire distomateuse*)], 1892, Oct. 7, 144 (in *Cl. bul.*; Cairo, Egypt).
- distomi folii* Looss, 1894a, 251 (syn. *Dist. duplicatum*).
- [distomi] hepatici* Looss, 1894a, 252.
- distomi homolostomi* Linst., 1889a, 120, based on Linst., 1887d, 104-105, pl. 2, figs. 5-6, 17a (in *Limnaea stagnalis*).
- distomi militaris* Braun, 1893a, 832, based on Ben., 1858a.
- distomi perlati* Looss, 1894a, 32.
- distomi retusi* Linst., 1878a, 327, based on Ben., 1858a, 98, pl. 11, figs. 7-27 (in *Limnaea stagnalis*).
- duplicata* (Baer, 1826) Moul., 1856, 77, 78, 100, 116, 119, 143-146, 173, 177, pl. 5, fig. 1, pl. 5, bis fig. 9 (to *Dist.*) (in *Anodonta ventricosa*, *A. anatina*, *A. cygnea*).—Braun, 1893a, 832.—Dies., 1858d, 271 (syn. of *Rhopalocerca tardigrada* Dies.).—Looss, 1894a, 23, 256, 264.
- caudata* Eichwald, 1829a, 248, pl. 1, figs. 16a-c (in *Lymnaeus stagnalis*).
- echinata* Sieb., 1837, 187 (in *Lymnaeus stagnalis*; Gedani); 1845, 228; 1850, 671.—Baillet, 1866b, 93 (of Duj.).—Ben., 1858a, 1861a, 86, 180 (syn. of *Dist. militare*), 89 (to *Dist.*), 204, 215, 221.—Biehringer, 1884, 5, 7.—Braun, 1883a, 53, fig. 13; 1892a, 770, 772, 797; 1893a, 863; 1906, 144, 79.—Chatin, 1894b, 1356-1358 (excretory canals); 1895a, 20.—Dav., 1877, lxxi, fig. 33.—Dies., 1850a, 297 (syn. of *C. fallax*); 1855a, 377, 378 (tail), 380, 388, 390 (to *Hormocercaria*), 391; 1858d, 246, 248, 260-262 (to *Nephrocephala*) (syn. *C. (Hormocerc.) ech.* Siebold) (in *Paludina vivipara*, *Planorbis corneus*, *Lymn. stag.*) (larva of *Dist. ech.*), 261 (to *(Hormocercaria)*; 1858c, 344 (*C. Nephrocephala*) *ech.* syn. of *Dist. ech.*)—Erc. 1881e, [14], 15, 22, 25-33, pl. 1, figs. 50-58, pl. 2, figs. 1, 2-5, 46, 47, 48, 52, 57, 70, 73, 88, 90; 1882a, [250], 251, 258, 261-269, 282, 283, 284, 288, 293, 307, 309, 324, 326.—Fil. 1854a, 6, 9, 14, 16, 17, 18, 21, 22, 24; 1855b, 10, 11, 19, 20, 21, 22, 25; 1856a, 267; 1857c, 4, 21.—Hahn & Lefevre, 1884a, 516.—Henle, —, 6.—Keber, 1851a, 90.—Leuck., 1863, 494, 498, 516, 518, 519, figs. 169, 174.—Linst., 1873, 1 (larva of *Dist. ech.* Zed.); 1873, 106



## CERCARIA—Continued.

- (larva of *Dist. ech. Zed.*) (in *Plan. corn.*, *Pal. vivip.*, *Lymn. stag.*).—Looss, 1894a, 252; 1902m, 455.—Mont., 1893, 205.—Moul., 1856a, 67, 68, 77, 90–93, pl. 5, figs. 15–17, 95, 96, 97, 105, 106, 109, 110, 111, 112, 116, 118, 135, 138, 184–190 (syns. *C. VII.* Baer, *C. fallax* Dies.), pl. 6, fig. 7, 191, 192, 193, 203 (in *Lymn. stag.*, *Pal. vivip.*, *P. impura*; Berlin).—Mueller, 1843, v. 6, 57–60 (= *C. fallax*).—Nord., 1840, 631.—Par. 1894, 162.—Roesbach, 1906, 363.—Sons. 1897, 252.—Spengel, 1905, 258.—Steenstrup, 1842, 28–40, 41, 49, 51–78, pl. 2.—Tennent, 1906, 661.—La Valette, 1855, 16, pl. 1, figs. C–M.—Wagener, 1857, 39, pl. 36A, fig. 12.—Waldenberg, 1860, 21.
- echinatoides* Fil., 1854a, 14–24, 25, 26, 28, pl. 2, figs. 19–25; 1854b, 266–278, pl. 2, figs. 19–25 (in *Paludina vivipara*, *P. achatina*; Lake Varese; Lombardy); 1855b, 11, 12, 13, 16, 18, 19, 23, 25 (syn. *C. echinifera* La Valette); 1857c, 4, 16, 21.—Baillet, 1866b, 93, 94, 96, 98.—Braun, 1892a, 797.—Dies., 1855a, 377, 380, 382, 387, 391–392 (to (*Hormocercaria*); 1858d, 261, 262–263 (to (*Nephrocephala*) (syns. *C. (Hormocerc.) echinatoides* Fil.; *Cerc. echinifera* La Valette; *Dist. echiniferum* Pag.) (adult of *Dist. echiniferum* La Valette) (in *Pal. vivip.*, *P. achatina*); 1858e, 346 (*C. (Nephrocephala) echinatoides* as syn. of *Dist. echiniferum*).—Erc., 1881e, 25, 26, 28, 29, 31; 1882a, 261, 262, 264, 265, 267.—Harz, 1881c, 3.—Linst., 1873, 106 (larva of *Dist. trigonocephalum* Rud.) (in *Pal. vivip.*, *P. achatina*).—Moul., 1856a, [72], 74, 93–94, pl. 5, bis fig. 1, 97, 105–106, 116, 149, 190, 191–201, pl. 6, fig. 6, 202, 203, 226, 227, 228, 229, 234 (syn. *C. echinifera* La Val.) (in *Pal. vivip.*; Berlin).
- echinifera* La Valette, 1855, 14–16, pl. 1, figs. A–F (in *Paludina vivipara*).—R. Bl., 1888a, 605.—Braun, 1892a, 772.—Dies., 1858d, 261, 262 (syn. of *C. (Nephrocephala) echinatoides* Fil.).—Dolley, 1894a, 984 (= *echinatoides*).—Erc., 1881e, 25 (= *echinatoides*), 26, 28, 29, 31; 1882a, 261, 262, 264, 265, 267.—Fil. 1855b, 25 (syn. of *C. echinatoides* Fil.); 1857c, 21.—Hahn & Lefèvre, 1884a, 516.—Linst., 1873, 106 (larva of *Dist. militare* Rud.) (in *Pal. vivip.*).—Moul., 1856a, 105, 109, 110, 191, 192, 200 (syn. of *C. echinatoides* Fil.).—Pag., 1857, 53.—Will.-Suhm, 1870, 4.
- echinocerca* Fil., 1855b, 17–19, 22, 23, 25, pl. 2, figs. 19–20 (in *Buccinum linnæi*; Gulf of Gênes); 1857, 433–435, pl. 2, figs. 19–20.—Dies., 1858d, 268 (*Histrionella echinocerca* Dies.).—Mont., 1888, 10, 77; 1888, 195, 198; 1888, 194; 1893, 2, 124.—Moul., 1856a, 114–115, 116, 211–212 (in *Bucc. linn.*; Gulf of Gênes).—Villot, 1875, 479 (in *Bucc. linn.*).
- efemera* Ssinitzin, 1905, 158 for *ephemera*.
- elegans* Mueller, in La Valette, 1855, 13, 38, pl. 2, fig. 2, based on Mueller 1850, 496, free form.—Braun, 1893a, 831, 832.—Dies., 1858d, 269 (to *Histrionella*).—Mont., 1888, 194, to (*Hist.*).—Moul., 1856a, 214.—Pag., 1862, 298.—Villot, 1875, 479; 1878, 35.
- ephemera* Nitzsch (1807), 33–36; 1817, 29, pl. 1, figs. 1–13 (in *Planorbis corneus*; Halle); 1827, 67–68 (*Pl. corn.*).—Baillet, 1866b, 95, 96, 98.—Biehinger, 1884, 5.—Braun, 1892a, 770, 772; 1893a, 848, 849, 851, 858.—Brett, 1881b, 141.—Dies., 1850a, 299 (to *Histrionella*); 1855a, 392 (to *Hist.*); 1858d, 244 (of Sieb., syn. of *Glenocerc. flava*), 267 (of Wagener to *Hist.*).—Duj., 1845a, 478.—Eichwald, 1829a, 247, 248.—Erc., 1881e, 23; 1882a, 259 (of Nitzsch as doubtful syn. of *Cerc. tripunctata* Erc.).—Fil., 1855b, 20, 22, 25 (syn. *C. flava* La Valette); 1857c, 31.—Florance, 1866a, 12.—Hemp. & Ehrenb., 1828a (to *Hist.*).—Leuck., 1863, 494, 515, 522, 523.—Looss, 1896b, 194, 197.—Moul., 1856a, 77, 94–95, pl. 5, bis fig. 3, 116, 204–208, pl. 6, figs. 4, 5 (syns. *Hist. ephemera* Hemp. & Ehrenb.; *C. flava* La Val.) (in *Plan. corn.* by Sieb. and Val.; *Paludina impura* by Baer; *P. vivipara* by Nitzsch and Baer).—Nord., 1840, 631 (eyes; cf. *Hist. Ehrenb.*).—Pag., 1857, 24–25, pl. 2, figs. 7–12 (in *Plan. corn.*).—Sieb., 1835, 70; 1837, 187, 189; 1850, 670; 1854, 14, 18, 19, 25, figs. 1, 4–9, 13, 14.—Sons., 1897, 252.—Ssinitzin, 1905, 158 (*efemera*).—Steenstrup, 1842, 37, 51–55, 56, 65, 94.—Wagener, 1857, 21.
- ericetorum* Linst., 1898, 761–762, fig. 8 (in *Xerophilus ericetorum*; near Göttingen, Germany).
- exfoliata* Moul., 1856a, 87, 116, 180–183, pl. 6, figs. 13, 14 [new name for *Dist. of Leucochloridium paradoxum*].—Cobbold, 1879b, 435.—Dies., 1858d, 277 (syn. of *Leuc. par. Carus*).—Erc., 1881e, 55 (*Cerc. of Leuc. par.*); 1882a, 291.—Zeller, 1874.
- exigua* Looss, 1896b, 230–232, pl. 16, figs. 181–182 (in *Cleopatra bulimoides*; Egypt).

## CERCARIA—Continued.

- fallax* Dies., 1850a, 297 (includes "Cerc. echinatum Siebold?" Dist. pacifica; Cerc. VII. Baer) (in *Paludina vivipara*, Linnaeus stagnalis); 1855a, 380, 387 to (Eucerc.) 388, 391 (Dies., 1850a, partim as syn. of C. (Hormocerc.) echinata); 1858d, 247-248, 262, to (Gymnocephala) (syn. C. (Eucerc.) fallax Dies.) (in Lym. stag.; Pal. vivip.).—Baer, 1827, 629, pl. 31, figs. 7a, 7b.—Ben., 1858a, 1861a, 86 (syn. of Dist. militare).—Bojanus, 1818, 729, pl. 9, figs. A-F.—Fil., 1857c, 32.—Henle, —, 6.—Moul., 1856a, 184 (syn. of C. echinata Sieb.).—Mueller, 1843.—Pag., 1857, 3, 4, 6, 21, 23-24, pl. 3, fig. 1 (in Lim. stag.).—Schwammerdam, —, 75.—Sieb., 1845, 228; —, 187.—Steenstrup, —, 51, 78, pl. 2.
- fascicularis* Villot, 1875, 480, pl. 14, fig. 4 (in *Nassa reticulata*; Roscoff).
- fissicauda* Moul., 1856a, 109 (for fissicauda).
- fissicauda* La Valette, 1855, 21, pl. 2, figs. 6, II (in *Limnaeus stagnalis*).—Braun, 1893a, 821; 1893b, 183 (in *Physa alexandrina*).—Dies., 1858d, 265 to (Schizocerca) (in Lym. stag.; Berlin).—Fil., 1857c, 23.—Mont., 1888, 196, 197 (fissicaudata); 1888, 9, 76, 77 (fissicaudata).—Moul., 1856a, 109 (fissicauda), 118, 171 (in Lym. stag.; Berlin).—Sons., 1897, 253.—Villot, 1878, 32, 36-37, pl. 10, figs. 9-11 (in *Scrobicularia tenuis*).
- fissicaudata* Mont., 1888, 196; 1888, 9, 76, 77 (for fissicauda).
- flava* La Valette, 1855, 24-25, pl. 2, figs. 8, a, g. (= C. ephemera Nitzsch, renamed).—Dies., 1858d, 244 (to Glenocerc.).—Fil., 1855b, 25 (syn. of C. ephemera).—Moul., 1856a, 204 (syn. of C. ephemera).
- flavopunctata* Par., 1894, 703 (for C. fulvopunctata).
- folii* Looss, 1894a, 256 (syn. Dist. duplicatum).
- forcipata* Mueller 1786, 134-135, pl. 20, figs. 21-23 (in aqua palustri rarissime).—Bosc, 1802a, v. 3, 227.—Bruguière, 1792, 457, 464.—Nitzsch, 1827, 68 to *Dicranophorus*.
- fulgopunctata* Braun, 1893a, 831 (for fulvopunctata).
- fulvopunctata* Erc., 1881 or 1882, see Par., 1894, 161 (in *Bythinia tentaculata*; Bologna).—Spengel, 1905, 258.
- furcata* Nitzsch, [1817], 49, pl. 2, figs. 12-18; 1827, 68 (syn. *Vibrio malleus* Mueller).—Baer, 1827, 626-629.—Braun, 1893a, 821, 846.—Dies., 1850a, 295 (to *Malleolus*, only species, ?type by tautonymy malleus).—Fil., 1855b, 21, 22, 23; 1857c, 19, 23, pl. 2, fig. 31.—Moul., 1856a, 77, 84-85, pl. 5, fig. 13, 115, 116, 118, 120, 168, 169, 170, 171 (= Cerc. VI. of Baer) (in *Limnaeus stagnalis*; *Paludina vivipara* by Baer).—Nitzsch, 1827, 68 (syn. *Vibrio malleus*).—Nord., 1840, 631.—Pag., 1857, 4.—La Valette, 1855, 22, pl. 2, fig. J.
- [*furcata* Eichwald, 1829a, 247.]
- gibba* Mueller, 1773, 120; 1786, 120-121, pl. 18, fig. 2 (in infusione jungermanniæ tamarisci).—Bory St. Vincent, 1823a, 355 (in infusions de Jungermannes).—Bruguière, 1792, 456, 458.—Nitzsch, 1827, 68, to *Macrocerus*.—Schrank, 1803, 85.
- gibba* Fil., 1854a, 13, 26, pl. 1, fig. 18 (in *Limnaeus pereger*); 1854, 266, pl. 10, fig. 15; 1855b, 23.—Bosc, 1802a, v. 3, 225.—Dies., 1855a, 389 to (*Xiphidiocerc.*); 1858d, 257, to (*Acanthocephala*) (syn. C. (*Xiphidiocerc.*) g. Fil.) (in Lym. per.; Turin).—Erc., 1881e, 17-18, pl. 1, figs. 29-31; 1882a, 253-254.—Moul., 1856, 82, 159-160, pl. 5, bis fig. 15 (in Lym. per.).—Par., 1894, 162.—Ssinitzin, 1906, 686 (in *Limnaea stagnalis*, L. palustris; Warschau), larva of *Opisthioglyphe endoloba*.
- globipora* Erc., 1881 or 1882, see Par., 1894, 164 (in *Bythinia tentaculata*; Bologna).—Looss, 1894a, 47, 48.
- gorgoderæ cygnoides* Kowal., 1904, 24 (9) (in *Cyclas cornea*; Dublany).
- gorgoderæ loossi* Ssinitzin, 1905, 44-46, pl. 1, figs. 3, 14 (syn. Cerc. macrocerca Wagener); 1906, 683 (in *Epithecca*; Warschau).
- gorgoderæ pagenstecheri* Ssinitzin, 1905, 46-47, pl. 1, figs. 4, 7, 13, pl. 2, figs. 15, 19, 20 (syn. C. macrocerca Thiry); 1906, 683.
- gorgoderæ varsoviensis* Ssinitzin, 1905, 47-49, pl. 1, fig. 5, pl. 2, figs. 16, 18; 1906, 683.
- gorgoderæ vitelliloba* Ssinitzin, 1905, 49-51 (syn. Cerc. macrocerca Fil., 26, pl. 10, fig. 7); 1906, 683.

## CERCARIA—Continued.

- gracilis* La Valette, 1855, 20–21, pl. 1, fig. 13 (in *Planorbis corneus*).—Ben., 1858a, 1861a, 220.—R. Bl., 1888a, 555.—Dies., 1858d, 264–265 (in *Plan. corn.*; Berlin) to (Schizocerca), 270.—Fil., 1857c, 23.—Moul., 1856a, 108–109, 116, 170–171 (in *Plan. corn.*; Berlin).—Wagener, 1866, 146.
- gyrinus* Mueller, 1773, 64–65 (in infusioni animali raro); 1776, 206; 1786, 119–120 (syn. *Macrocerus corpore globoso*), pl. 18, fig. 1.—Bory St. Vincent, 1823a, 354–355 (in infusiones animales).—Bosc, 1802a, v. 3, 224–225.—Bruguière, 1792, 456, 458.—Gmelin, 1790a, 3892–3893.—Herbst, 1789a, 129, pl. 80.—Nitzsch, 1827, 68 to *Macrocerus*.
- haimeana* (Lacaze-Duthiers, 1854) Moul., 1856, [87] 178–179, pl. 6, fig. 12 (in *Ostrea edulis*, *Cardium rusticum*; Mahon, Cetté).—Badcock, 1875a, 145.—Claparède, 1863, 10–12, pl. 4, figs. 8–9 (syn. *Bucephalus haimeanus* Lacaze-Duthiers).—Dies., 1858d, 276 (to *Bucephalopsis*).—Giard, 1874e, 486.—McCraday, 1874, 180.
- haimeana* Erc., 1881e, 41 (*Bucephalus haimeanus*, renamed); 1882a, 277.
- helicis aspersæ* (Dies., 1855) Moul., 1856c, 83–84, 166–167 (based on Duj., 1845a, 472 (in *Helix aspersa*)).—Dies., 1858d, 277 (to *Cercariæum*).—Par., 1894, 164.
- helicis carthusianella* [Erc., 1881e, 95, pl. 1, figs. 45–47; 1882a, 331 (*Cerc. dell' Helix carthusianella*)].—Par., 1894, 164 (Bologna).
- helicis maculosæ* [Erc., 1881e, 95, pl. 1, figs. 48, 49; 1882a, 331].—Par., 1894, 164 (Bologna).
- helicis viviparæ* Dies., 1850a, 298 (for Dist. Bojanus, 1818, 730; Vilnæ); 1855a, 399.
- hirta* Mueller, 1786, 128, pl. 19, figs. 17, 18 (in aqua marina bis tantum).—Bosc, 1802a, 226.—Bruguière, 1792, 456, 461.—Nitzsch, 1827, 69 (type of *Coleps*).
- histrionella* Ehrenb.—Wagener, 1834, 131–132.
- hyalocauda* Haldemann (1840a).—Evarts, 1880a, 230–232, figs. 34–36 (in *Physa heterostropha* Say).
- hymenocerca* Villot, 1875, 479–480, pl. 14, figs. 5–7 (in *Calyptræa sinensis*; Roscoff).
- imbricata* Looss, 1893a, 20 (in *Bythinia tentaculata* Gray=*Paludina vivipara* Lam.; near Leipzig); 1896b, 192–197 (sub *Monost. verrucosum*; in *Melania tuberculata* Bourg.); 1902m, 444 (sub *Notocotyle verrucosa*).—Sons., 1897, 252.
- incistidata* Perroncito [1879, 7–9,], 1880, 454–457, 1 fig. (in *Rana esculenta*).—Erc., 1881e, 13, 14, 15, 30, 32, 57, 63; 1882a, 249, 250, 251, 266, 268, 293, 299.
- inermes* Looss, 1892a, 128, not as specific name, but meaning unarmed cercariæ.
- inquieta* Mueller, 1786, 121–122, pl. 18, figs. 3–7 (in aqua marina).—Baer, 1826a, 125.—Ben., 1858a, 1861a, 312.—Bory St. Vincent, 1825b, 253.—Bosc, 1802a, v. 3, 225.—Bruguière, 1792, 456, 458–459.—Dies., 1850a, 300 (to *Histrionella*).—Mueller, J., 1850, 496.—Moul., 1856a, 213 (of Nitzsch, 1817).—Nitzsch, 1817, 47; 1827, 67, 68.—Villot, 1875, 479.
- isopori* Looss, 1894, 55 (in *Cycas rivicola*).
- lacrhyma* Bory St. Vincent, 1823a, 354 (in infusions d'orge et d'avoine).
- lata* Lespès, 1857, 114–116, pl. 1, fig. 13 (in *Venus decussata*; Arcachon).—Braun, 1893a, 832.—Dies., 1858d, 251, to (*Gymnocephala*) (in *V. dec.*).—Florance, 1866a, 7.—Pag., 1862, 297, 298, 299 (in *V. dec.*).—Villot, 1875, 479 (in *V. dec.*).
- lemna* Mueller, 1773, 67–68 (in aquis paludosis); 1776, 206; 1786, 122–123, pl. 18, figs. 8–12; —, 2485.—Abildg., 1793, 89.—Baer, 1826a, 125.—Bory St. Vincent, 1825b, 253.—Bosc, 1802a, v. 3, 225.—Bruguière, 1792a, 456, 459.—Dies., 1850a, 299 (to *Histrionella*).—Gmelin, 1790a, 3892.—Herbst, 1789a, 130.—Hermann, —, 160, pl. 3, figs. 43a–d.—Moul., 1856a, 213.—Nitzsch, 1827, 67, 68.—Schränk, 1803, 79–80.—Wagner, 1832, 394, pl. 4, figs. 1–6.
- leptosoma* Villot, 1878, 32–33, pl. 9, figs. 4–5 (= *Cerc. stage of Dist. leptosomum* Crep.) (in *Scrobicularia tenuis*).—Nicoll, 1906, 517, 518 [larva of *Echinost. leptosomum*] (in *Scrob. ten.*).
- leucochloridii* Leuck., 1858a, 114, see *Leucochloridium paradoxum*.
- limacis* (Dies., 1850) Moul., 1856, 83, pl. 5, fig. 11, pl. 8, fig. 12, pl. 9, figs. 8–9; 103, 163–164 pl. 8, figs. 19, 20, pl. 19, figs. 11–12; 165 (in *Limax cinerea*; Genève).—R. Bl., 1888a, 554.—Braun, 1893a, 831.—Dies., 1858d, 259 (syn. of *C. (Acanthocephala) trigonocerca* Dies.).—Erc., 1881e, 59; 1882a, 295.

## CERCARIA—Continued.

- limnæa ovata* Linst., 1884, 142; 1887d, 98, 99, 100 (in *Limnophilus rhombicus*), 105.—Stoss., 1889, 66 (syn. of *Dist. endolobum*).
- limnæa truncatula* Linst., 1892, 331-332, pl. 15, fig. 17 (in *Limnæa truncatula*).
- linearis* Lespès, 1857, 117, pl. 1, fig. 16 (in *Littorina littorea*).—Braun, 1893a, 381.—Dies., 1858d, 258 (in *Littorina littorea*) to (*Acanthocephala*).—Pag., 1862, 297 (in *Litt. litt.*).—Villot, 1875, 479.
- longicaudata* Piana, 1882, see Par., 1894, 161 (in *Helix nemoralis*, *H. carthusiana*; Reggio Em.) (see also *longocaudata*).—Dolley, 1894a.
- longocaudata* Piana, 1882, teste Par., 1894, 622 (misprint?) (in *Helix carthusiana*), as larva of *Dist. lanceolatum*.
- lophocerca* Fil., 1857c, 5, pl. 1, figs. 3-4 (in *Paludina impura*).—Braun, 1893a, 832.—Dies., 1858d, 245 (to *Glenocerc.*).—Erc., 1881e, 24, 25, 35; 1882a, 260, 261, 271.—Looss, 1894a, 252.—Par., 1894, 163 (in *Bythinia tentaculata*, *Pal. vivipara*, *P. achatina*; Torino by Fil., 1858).
- luna* Mueller, 1786, 139, pl. 20, figs. 8, 9 (in *eadem aqua*, ac *proxime precedens*, *rarissime* [*C. orbis*]; [*Zool. Dan. prodr. addend.*, 1776, 280].—Bosc, 1802a, v. 3, 228.—Bruguière, 1792a, 457, 466.—Nitzsch, 1827, 69 to *Lecane*.
- lungo-caudata* Piana, see R. Bl., 1888a, 603 (in *Helix carthusiana*), see also *longicaudata*.
- lupus* Mueller, 1773, 67 (in *aquosis*, ubi *Lemna vegetat*, *rara*); 1776, 206; 1786, 131-133, pl. 20, figs. 14-17.—Bosc, 1802a, v. 3, 227.—Bruguière, 1792a, 456, 463.—Gmelin, 1790a, 3892.—Hemp. & Ehrenb., 1828a (type of *Cycloglena*).—Herbst, 1789a, 130.—Nitzsch, 1827, 68, to *Dicranophorus*.—Schränk, 1803, 83-84.
- lutea* (Ben., 1870) Giard, 1897c, 954-956 (to *Brachycœlium luteum* Ben.) (in *Tapes decussatus*, *T. pullastra* at Arcachon; *Donax trunculus*; Wimereux); 1897d, 957; 1903h, 27-28.—Caullery & Chappellier, 1906, 325.—Pelseneer, 1895, 357.—Also reported for *Pholas candida*.
- lymnæi auricularis* (Fil., 1854) Moul., 1856, 84, pl. 5, fig. 12; 167 (in *Lymnæus auricularis* by Fil.).—Dies., 1858d, 279 (to *Cercarizeum*).—Looss, 1894a, 32, to (*Dist.*).
- lymnæi obscuri* Erc., 1881e, 33-35, pl. 1, figs. 16-17, 46; 1882a, 269-271, 282 (in *Lymnæus obscurus*, *L. stagnalis*).—Par., 1894, 162 (in *Lymn. obs.*; Bologna by Erc.).
- macaci* (Cobbold, 1861, 119 (in *Macacus radiatus*).
- macrocerca* Looss, 1894a, 253 (misprint for *macrocerca*).
- macrocerca* Fil., 1854a, 13, 26, pl. 1, figs. 15-18 (in *Cyclas cornua*; Turin); 1855, 341, pl. 1, figs. 15-17; 1855b, 22, 24.—Baillet, 1866b, 93.—Biehringer, 1884, 2-3, 7, 9, 16, 17, 18, 22, 26.—Braun, 1883, 56; 1890c, 595; 1891c, 218; 1891f, 369; 1892a, 634, 808, 809, 810; 1892b, 188; 1893a, 831, 832, 854.—Claparède, 1863a, 12.—Cobbold, 1879b, 470.—Dies., 1855a, 389 to (*Xiphidiocerc.*); 1858d, 255, to (*Acanthocephala*) (syn. *C. (Xiphidiocerc.) macr.* Fil.) (larva of *Dist. cygnoides* Zed.) (in *Cyclas cornua*; Turin); 1858c, 334 to (*Acanthocephala*) (as syn. of *Dist. cyg.*)—Fraipont, 1880a, 397; 1880c, 419, 441; 1883a, 35.—Gamb., 1896, 72.—Hahn & Lefèvre, 1884a, 516.—Jackson, 1888, 651.—Jucl, 1889, 15.—Kerbert, 1881a, 556.—Kowal., 1902d, 27 (9) [larva of *Gorgodera cygnoides*, in *Cyclas cornua*].—Leuck., 1863, 511, 512.—Linst., 1873, 1 (larva of *Dist. cyg.* Zed.).—Looss, 1885b, 19; 1892a, 125; 1894a, 23, 63, 129, 236, 244, 251, 253 (*macrocerca*), 256, 264, pl. 6, fig. 129; 1896b, 227; 1902m, 444 (sub *Gorgodera cygnoides*).—Mace, 1882, 61.—Mont., 1888, 41.—Moul., 1856, 82, 119, 160-161, pl. 6, figs. 1, 2; 173 (in *Cyc. corn.*; Turin).—Pag., 1862, 299.—Par., 1894, 165.—Pratt, 1898, 361.—Ssinitzin, 1905, 49 (of Fil., syn. of *vitelliloba*), 46 (of Thiry, syn. of *pagenstecheri*), 44 (of Wagener, syn. of *loossi*); 1906, 682.—Thiry (1859), v. 10 (2), 271-277, pls. 20-21, figs. 1-13; (1860), v. 10, 271-277, 2 pls.—Uličný, 1878, 212, 214.—Villot, 1882, 507.—Wagener, 1857, pl. 29.—Ziegler, 1883, 540, 547 (in *Limnæa* sp.).
- magna* Pag., 1857, 3, 4, 22-23, pl. 2, figs. 13-14 (in *Paludina vivipara*).—Dies., 1858d, 247, to (*Gymnocephala*) (in *Pal. vivip.*; Heidelberg).
- major* Nitzsch, 1817, 44, pl. 2, figs. 1-8; 1827, 68 (syn.? *Brachionus proteus*).—Dies., 1850a, 299 (syn. of *Histrionella lemna*).—Moul., 1856a, 213.—Mueller, 1850, 497.—Pag., 1857, 23.

## CERCARIA—Continued.

- megacotyla* Dies., 1858d, 263, to (*Nephrocephala*) (syn. *Dist. echinatoides* Pag., nec Fil.) (in *Anodonta cygnea*; Heidelberg).
- megacotylea* Villot, 1878, 30, pl. 9, fig. 7 (in *Mysis*).—Braun, 1893b, 183 (?syn. of *C. capriciosa*).—Cuénot, 1892.
- melanoglena* Pag., 1862, 298 [*Melanoglena bipunctata* renamed].
- micracantha* Dies., 1858d, 259–260 (syn. *C. armata* Fil., 1855b, 3–5) to (*Acanthocephala*) (in *Triton punctatus*, *Lymnæus palustris*).—Linst., 1887, 100; 1878a, 205 (in *Tr. tæniatus*).
- microcotyla* Fil., 1854a, 7–12, 13, 26, pl. 1, figs. 5–10 (in *Paludina vivipara*, *P. achatina*; Lake Varese and Lombardy); 1854b, 260–265, pl. 10, figs. 5–10; 1855b, 6, 22, 23, 25 (syn. *C. pugnax* La Valette); 1856b, 85, 86; 1857c, 7, 15, 31.—Baillet, 1866b, 93.—Biehringer, 1884, 15.—Braun, 1892a, 809; 1893b, 183 (in *Melania tuberculata*; *Cleopatra bulimoides*).—Dies., 1855a, 378, 390 to (*Xiphidiocerc.*); 1858d, 253 to (*Acanthocephala*) (syn. *C. (Xiphidiocerc.) micr.* Fil.; *C. pugnax* La Valette) (in *Pal. achat.*; Lombardia; *P. vivip.*) (larva of *Dist. tetracystis* Gast.), 254 (syn. of *C. (Acanthocephala) vesiculifera* Dies.); 1858e, 348 (sub *Acanthocephala* as syn. of *Dist. tetracystis*).—Erc., 1881e, 7, 8, 9, 10, 11–15, pl. 1, figs. 10–15 (in *Pal. vivip.*, *P. achat.*; liver and genital organs; *Limnæus obscurus*, *Planorbis corneus*), 71; 1882a, 243, 244, 245, 246, 247–251, 307.—Linst., 1873, 1 (larva of *Dist. tetracystis* Gast.).—Moul., 1856a, 80 (*microtyla*), pl. 5, figs. 5–6, 103, 104, 153–157, pl. 5, bis fig. 11; 160, 161 (syns. *C. pugnax* La Valette, *C. chlorotica* Dies., *Cerc. II. Baer*) (in *Pal. vivip.*, *P. achatina*; Lac de Varèze and Berlin).—Sons., 1884, 58; —, 136–137; 1897, 253.
- microcristata* Erc., 1881 or 1882, see Par., 1894, 161 (in *Bythinia tentaculata*; Bologna).
- microtyla* Moul., 1856a, 80 (for *microcotyle*).
- micrura* Fil., 1857c, 5–6, pl. 1, figs. 5, 6 (in *Paludina impura*); 1859, —.—Biehringer, 1884, 3, 26.—Braun, 1893a, 831.—Dies., 1858d, 258, to (*Acanthocephala*) (in *Pal. imp.*; Turin).—Looss, 1894a, 47 (= *C. globipora*=*Dist. globiporum* Rud.) (in *Bythinia tentaculata*); 1896b, 208.—Mont. 1888, 76.—Par. 1894, 163.—Ssinitzin, 1906, 685 (in *Bythinia tentaculata*), 686 (in *Nephele vulgaris* but not *Limnæa*), larva of *Sphaerost globiporum*.—Villot, 1878, 36.
- minuta* Erc. 1881 or 1882, see Par. 1894, 163 (in *Bythinia tentaculata*; Bologna).
- minuta* Nitzsch, 1817, 46, pl. 2, figs. 9–11 (in various mollusks at Halle); 1827, 68.—Dies., 1850a, 295; 1855a, 385 to (*Eucerc.*); 1858d, 246 to (*Gymnocephala*) (in various fresh-water mollusks at Halle).—Moul., 1856a, 213.—Spengel, 1905, 258.
- miocerca* Mont., 1888, 77 (for *myocerca*).
- mirabilis* Braun, 1891c, 218 (in *Limnæus palustris* var. *corvus*); 1891f, 369; 1892b, 187–188 (in *Limn. pal. corv.*; Kurischer Lowlands); 1893a, 821, 832, 834; 1893b, 183.
- mongeotii* Bory St. Vincent, 1823a, 354 (in water).
- monostomi* Linst. 1896i, in 376–377 (perhaps young of *Monost. mutabile*) (in *Lymnæa ovata*, *L. peregra*; Weende, Germany); 1897a, 109.
- myocerca* Villot, 1878, 35–36, pl. 10, figs. 12–13 (in *Scrobicularia tenuis*).—Braun, 1893a, 832.—Mont., 1888, 9, 77 (*miocerca*).
- myzura* Pag., 1881, 18 (in *Neritina fluviatilis*).—Braun, 1893a, 831.
- neglecta* Fil., 1854a, 24, 26, pl. 2, figs. 26, 27 (in *Lymnæus pereger*); 1854, 278, pl. 11, figs. 26–27; 1855b, 23.—Dies., 1855a, 386 to (*Eucerc.*), 387; 1858d, 246 to (*Gymnocephala*).—Moul., 1856, 94, pl. 5, bis. fig. 2; 116, 204, pl. 6, fig. 9 (in *Lymn. per.*).—Par. 1894, 165.
- nodulosa* Linst., 1873, 3, pl. 1, fig. 5 (in *Bythinia tentaculata*); 1873, 142, figs. 30–32; 1878a, 323 (= *Dist. nodulosum*).—Looss, 1894a, 40 (in *By. ten.* by Linst.) (= *C. virgula* Fil., and *C. rostroaculeata*) (not *Dist. nodulosum*).
- obscura* Sons., 1892, Oct. 7, 138 (in *Limnæa natalensis*; Cairo, Egypt); 1896, 321.—Braun, 1893b, 183 (in *Limn. nat.*).
- ocellata* La Valette, 1855, 22–23, pl. 2, fig. 5 (in *Limnæus stagnalis*).—Braun, 1893a, 821, 834.—Dies., 1858d, 270 (syn. of *Histrionellina fissicauda*).—Erc., 1881e, 35–36 (in *Planorbis corneus*, liver), 49, pl. 1, figs. 43, 44, pl. 2, fig. 18; 1882a, 271–272, 285.—Moul., 1856a, 109–110, 116, 118, 172–173 (in *Lymn. stag.*; Berlin).—Par. 1894, 161.—Sons., 1897, 253.

## CERCARIA—Continued.

- odontocotyla* Dies., 1858d, 264 (in *Lymnæus stagnalis*; Berlin).  
*opaca* Bory St. Vincent, 1823a, 354 (in infusions de pois).  
*orbis* Mueller, 1786, 138–139, pl. 20, fig. 7 (in aqua, ubi Lemna, rarissime); [Zool. dan. prod., 1776, 280].—Bosc, 1802a, v. 3, 228.—Bruguière, 1792a, 457, 466.—Nitzsch, 1827, 69 to Lecane.  
*ornata* La Valette, 1855, 18–19, pl. 1, figs. N–O (in *Planorbis corneus*).—Braun, 1892a, 806; 1893a, 832.—Cobbold, 1876, 211; 1879, 454.—Desmonceaux, 1868, 22.—Dies., 1858d, 241, 244 to (*Acanthocephala*), 255–256 to (*Acanth.*) (larva of *Dist. clavigerum* Rud.) (in *Plan. corn.*, Berlin; *Hydrachna concharum*; Heidelberg); 1858e, 388 to (*Acanth.*); 1859c, 434.—Fil., 1857c, 31, 32.—Florance, 1866a, 11.—Harz, 1881c, 4.—Leuck., 1863, 495, fig. 171.—Linst., 1873, 1 (larva of *Dist. clavigerum* Rud.).—Looss, 1894a, 90, 99, 237, 250, 252, 257.—Moul., 1856, 108, 120, 152–153 (in *Plan. corn.*; Berlin).—Pag., 1857, 13–18, 52, pl. 1, figs. 1–13 (in *Plan. corn.*); 1862, 301.—Rossbach, 1906, 389.  
*ovalis* Schrank, 1803, 86.  
*ovata* Villot, 1878, 29–30, pl. 9, fig. 6 (in *Lygia oceanica*).  
*pachyerca* Dies., 1858d, 257–258, to (*Acanthocephala*) (syn. *C. brachyura* Lespès) (in *Trochus cinereus*; *Francogalliæ*).  
*pachyerca* Claperède, 1863a, 12–13, pl. 18, fig. 1 (free form; St. Vaast).—Braun, 1893a, 831.—Par., 1894, 165 (in *Cyditpe* sp.; Nizza; see Leuck., in Carus, 1884, Prod., 133).—Villot, 1878, 35 (of Dies. or Clap.?).  
*pacifica* Ben., 1858a, 1861a, 86 (syn. of *Dist. militare*).  
*paludina impuræ* Baer, 1827, 655, see Dies., 1855a, 400 (syn. of *Cercariaeum erythrops*, and of *C. melanops*).—Moul., 1856, 96, pl. 5, bis fig. 4, 212–213, pl. 6, fig. 8; 216 (syn. *Dist. paludinae impuræ* Fil.) (in *Paludina impura*; Lake de Varèse).  
*papillosa* Erc., 1881 or 1882, see Par., 1894, 164 (in *Rythinia tentaculata*; Bologna).  
*parva* Erc., 1881 or 1882.—Par., 1894, 164 (in *Rythinia tentaculata*; Bologna).  
*pectinata* Huet, 1891a, 12, Apr., 162–165, figs. 1–4 (in *Donax anatinum*).  
*pelagica* Mont., 1888, 45, 46.  
*pigmentata* Sons., 1892, Oct. 7, 142–144 (in *Physa alexandrina*, *P. micropleura*; Cairo, Egypt) of an *Amphist.* (sp.).—Braun, 1893b, 183 (in *Ph. micr.*).—Looss, 1902m, 444 (sub *Amphist. conicum*).—Stiles, 1898a, 64, 65, 143.  
*planorbis carinati* Dies., 1858d, 266, to (*Acanthocephala*) (in *Planorbis carinatus*; Turin).  
*planorbis corni* Dies., 1850a, 298 (in *Planorbis corneus*) (based on Henle, 1835, 597); 1855a, 400 (to *Cercariaeum*).—Moul., 1856a, 85 (in *Plan. corn.*) (Henle, 1835, 597).  
*platyura* Leidy, 1891a, 416 (free in pool with *Lymnæus*; Fort Bridger, Wyo.).  
*pleurolophocerca* Sons., 1892, Oct. 7, 138–139 (in *Melania tuberculata*, *Cleopatra bulimoides*; Cairo, Egypt).—Braun, 1893b, 183 (in *Mel. tub.*, *Cl. bul.*).—Looss, 1896b, 204–210, pl. 13, figs. 140–145 (in *Mel. tub.*; Egypt).  
*pleuronectes* Mueller, 1773, 70 (“In aqua ultra sex septimanas in vasculo servata”; 1776, 206; 1786, 135, pl. 19, figs. 19–21.—Bosc, 1802a, v. 3, 227.—Bruguière, 1792a, 457, 464.—Gmelin, 1790a, 3891.—Herbst, 1789a, 130.—Nitzsch, 1827, 69 to *Phacus*.—Schrank, 1803, 85–86).  
*podura* Mueller, 1773, 66 (“In paludosis Lemna coopertis, Novembri et Decembri”); 1776, 206; 1786, 124–125, pl. 19, figs. 1–5.—Bory, St. Vincent, 1825a, 84 (to *Furcocerca*).—Bosc, 1802a, v. 3, 225.—Bruguière, 1792a, 456, 460.—Gmelin, 1790a, 3892.—Hemprich & Ehrenberg, 1828a, type of *Ichthyidium*.—Herbst, 1789a, 130.—Nitzsch, 1827, 68 to *Enchelys*.  
*polymorpha* (Baer, 1827) Moul., 1856, 86, 116, 174–177, pl. 6, fig. 11; 179.—Dies., 1858d, 275 (to *Bucephalus*).—Erc., 1881e, 41, 42, 43, 44–45, 60, 87; 1882a, 277, 278, 279, 280–281, 296, 323.—Par., 1894, 164 to (*Bucephalus*).—Ziegler., 1883, 541.  
*pomatix* Vaney & Conté, 1899, 194–196, figs. 1–2 (in *Helix pomatia*; Lyon).  
*prima* Ssinitzin, 1905, 147–153; 1906, 687 (in *Aplexa hypnorum*, *Planorbis vortex compressa*; Warschau) (encysts in *Corethra*, *Ilybius*; Warschau).  
*proxima* Lespès, 1857, 116, pl. 1, fig. 14 (in *Littorina littorea*).—Dies., 1858d, 249–250, to (*Gymnocephala*).—Pag., 1862, 297 (in *Litt. litt.*).—Villot, 1875, 479.

## CERCARIA—Continued.

- pugio* Linst., 1887, 105, pl. 2, figs. 7, 17c (in *Limnaea ovata*).
- pugnax* La Valette, 1855, 19, pl. 1, fig. R (in *Paludina vivipara*).—Dies., 1858d, 247.—Erc., 1881e, 11 (= *C. microcotyla* Fil.). 12; 1882a, 247, 248.—Fil., 1855b, 25 (syn. of *C. microcotyla* Fil.); 1857c, —.—Moul., 1856, 103, 153, 157 (syn. of *C. microcotyla*).—Pag., 1857, 20–21, 22, pl. 1, figs. 17–24 (in *Pal. vivip.*).
- punctum* Erc., 1881 or 1882, see Par., 1894, 164 (in *Bythinia tentaculata*; Bologna).
- pusilla* Looss, 1896b, 229–230, 231, 232, pl. 16, figs. 178–180 (in *Vivipara unicolor* Olivier; Damanhour).
- pyrula* Bory St. Vincent, 1823a, 355 (in infusion de chènevis).
- renale* (Fil., 1855) Moul., 1856, 164–165 (in *Helix aspera*; Turin).—Dies., 1858d, 265–266 (renalis) to (*Gymnocephala*) (in *H. adspersa*; Turin).
- rigonocerca* Braun, 1892a, 809 (for *trigonocerca*).
- rostrata* Erc., 1881 or 1882, see Par., 1894, 164 (in *Bythinia tentaculata*; Bologna).—Looss, 1894a, 40.
- rostroaculeata* Erc., 1881, see Par., 1894, 164 (in *Bythinia tentaculata*; Bologna).—Looss, 1894a, 40 (see *nodulosa*).
- sagitata* Lespès, 1857, 114, pl. 1, fig. 12 (in *Nassa reticulata*; Arcachon).—Dies., 1858d, 249.
- sagitta* Pag., 1862, 297 (in *Nassa reticulata*), for *sagitata*.
- sagittalis* Vaney & Conte, 1899, 196 (*C. sagittifera* Sieb., 1854, renamed) (in *Helix pomatia*).
- sagittata* Dies., 1858d, 249, to (*Gymnocephala*) for *sagitata* (in *Buccinum (Nassa) reticulatum*), 250.—Villot, 1875, 479.
- sagittifera* Sieb., 1854, 18, fig. 3 (in *Helix pomatia*).—Dies., 1855a, 398 (syn. of *Cercariaeum helices pomatiae*); 1858d, 278 (syn. of *Cercariaeum h. p.*).—Moul., 1856, 82, pl. 5, fig. 10; 83, 163 (in *H. pom.*).
- secunda* Ssinitzin, 1905, 153; 1906, 687 (in *Corethra, Ephemera larvæ*; Warschau).
- setifera* O. F. Mueller, 1786, 127–128, pl. 19, figs. 14–16 (in *aqua marina raro*).—Bosc, 1802a, v. 3, 226.—Bruguière, 1792a, 456, 461.—Mont., 1888c, 193–199.—Nitzsch, 1827, 69 to *Trichoda*.
- setifera* Moul., 1856a, 214, and Dies., 1858d, 250–251 (Triest), to (*Gymnocephala*), based on J. Müller, 1850, 497 (free in sea water; Marseilles).—Braun, 1893a, 832, 853.—Claparède, 1863a, 12, 13.—Dadai, 1888f, 85; 1888g, 108.—Giard, 1897c, 954, 955 (*setigera*).—Mont., 1888, 9, 10, 23, 77, 78, 79, 80 (*Cercavia*); 1888, v. 2, 193–199; 1891, 519; 1892, 717; 1893, 1, 2, 13, 47, 52, 53, 61, 70, 122, 124, 125, 209.—Moul., 1856a, 214.—Pag., 1862, 298.—Par., 1894, 165 (syn. *Macrurochæta acalepharum*).—Villot, 1875, 477, 479; 1878, 32, 33–35, pl. 10, figs. 1–8 (in *Scrobicularia tenuis*).
- setigra* Giard, 1897c, 955 (for *setifera*, 1856).
- species* Wagener, 1857, in liver of *Limnaeus stagnalis*.—Braun, 1893a, 821 (is an *Echinost.*).
- spermatica* Blumenbach, see Chiaje, 1833, 34.
- spinifera* La Valette, 1855, 17, pl. 1, figs. 10–11 (in *Paludina vivipara*, *Planorbis corneus*).—Braun, 1893a, 832.—Dies., 1858d, 263–264, to (*Nephrocephala*) (in *Plan. corn.*; Berlin).—Erc., 1881e, 25, 26; 1882a, 261, 262.—Looss, 1894a, 252.—Moul., 1856, 109, 110, 202, 203 (in *Plan. corn.*; Berlin).
- stylota* Linst., 1875, 193–195, pl. 3, figs. 16–17 (in *Planorbis vortex*); 1878a, 329 (in *Plan. vor.*).
- subulo* Pag., 1857, 19–20, pl. 1, figs. 14–16 (in *Paludina vivipara*).—Dies., 1858d, 256–257, to (*Acanthocephala*) (in *Pal. vivip.*; Heidelberg).
- syrius* Kùech., 1855, 471, misprint for *gyrinus*.
- tellinae balticae* Dies., 1850a, 298 (in *Tellina baltica*; Gedani), based on Sieb., 1837, 388; 1855a, 400 (to *Cercariaeum*).—Moul., 1856, 85, 168 (in *Tell. balt.*).—Villot, 1875, 479 (in *Tell. balt.*).
- tenax* Müller, 1773, 69–70 (in infusione sordium dentium intra quatridduum); 1776, 206; 1786, 136–137, pl. 20, fig. 1.—Bosc, 1802a, v. 3, 228.—Bruguière, 1792a, 457, 465.—Chiaje, 1833, 37–38.—Gmelin, 1790a, 3891.—Herbst, 1789a, 130.—Nitzsch, 1827, 69, to *Phacus*.—Olfers, 1816, 24.—Schränk, 1803, 84–85.

## CERCARIA—Continued.

- terrestris* Linst., 1889c, 241, pl. 16, fig. 14 (in *Helix lens*; Greece); 1889d.  
*terricola* Linst., 1889c, 241, pl. 16, fig. 13 (in *Helix vermiculata*; Algiers); 1889d.  
*thaumanthiadis* Braun, 1889a, 357 (in Eucope); 1893a, 832, for thaumantiatidis.  
*thaumantiatidis* Pag., 1862, 298, for thaumantiatidis.—Linst., 1887a, 334 (in Eucope sp.).  
*thaumantiatidis* Græffe, 1860a, 49–51, pl. 10, figs. 10–12 (in *Thaumantias* Græffe, caelenterate, not Bonaparte, 1854, bird, compare *Thaumantias* Eschsch., 1829, Acal.).—Braun, 1889a, 357 (thaumanthiadis in Eucope); 1893a, 832 (thaumanthiadis).—Mont., 1888, 193, 194, 195; 1888, 77.  
*tricaudata* Schrank, 1803, 86.  
*trigonocerca* Dies., 1858d, 259, to (*Acanthocephala*) (syn. *C. limacis* Moul.) (in *Limax cinereus*, L. (*Arion*) *rufus*; Geneva).—Biehlinger, 1884, 15.  
*triloba* Fil., 1857c, 3, pl. 1, fig. 1 (in *Planorbis carinatus*, *Lymnaeus stagnalis*; Turin).—Dies., 1858d, 252, to (*Acanthocephala*) (in *Lym. stag.*, *Plan. car.*).—Erc., 1881e, 15–17, pl. 1, figs. 20–22; 1882a, 251–253 (in *Lim. stag.*, *Plan. car.*; Po. in Piemonte).—Par., 1894, 161 (in *Plan. corn.*, *P. carinatus*, *Lym. stag.*; Torino).  
*tripes* Bosc, 1802a, v. 3, 227.  
*tripos* Müller, 1776, 206 (“in aqua marina”); 1786, 136, pl. 19, fig. 22.—Bruguière, 1792a, 457, 464–465.—Nitzsch, 1827, 69.  
*tripunctata* Erc., 1881e, 23–25, pl. 1, figs. 27–28; 1882a, 259–261 (syn. *C. ephemera* Nitzsch) (in *Planorbis corneus*; liver and genital organs; Italy).—Mont., 1888, 10.—Par., 1894, 161 (in *Plan. corn.*; Bologna).  
*tripus* Gmelin, 1790a, 3892, for *tripos* Müller.  
*tuberculata* Fil., 1857c, 8–9, pl. 2, figs. 19, 20 (in *Paludina impura*).—Braun, 1893a, 827.—Dies., 1858d, 248, to (*Gymnocephala*) (in *Pal. imp.*; Turin).—Harz, 1881c, 4.—Looss, 1894a, 138.—Par., 1894, 163.  
*turbo* Müller, 1786, 123–124, pl. 18, figs. 13–16 (in aqua rivulari cum *Lemna rarior*).—Abildg., 1793, 79.—Bosc, 1802a, v. 3, 225.—Bruguière, 1792a, 456, 459–460.—Nitzsch, 1827, 68, type of *Urocentrum*.  
*varicans* Abildg., 1794, 89, pl. 3a, figs. 1–4 (“Hab. primitivum ignotum, in aqua rivulari”).—Dies., 1850a, 293 (to (*Cheilostomum* as type).—Moul., 1856a, 213 (syn. *C. varicans* Dies.).—Pag., 1857, 6.  
*varsoviensis* Ssinitzin, 1906, 683, to (*Gorgodera*).  
*vermicularis* Müller, 1786, 133–134, pl. 20, figs. 18–20 (in aqua ubi *Lemna vegetat*).—Bosc, 1802a, v. 3, 227.—Bruguière, 1792a, 457, 463–464.—Nitzsch, 1827, 68, to *Dicranophorus*.  
*vesicata* Uličný, 1878, 211–217, pl. 6, figs. 1–5 (in *Cylcas rivicola*; Mähren).—Braun, 1893a, 831, 832; 1893b, 183; 1898a, 1581.—Looss, 1894a, 227 (= *C. macrocerca* Fil.).  
*vesiculifera* Dies., 1855a, 378, 389, to (*Xiphidiocerc.*) (*C. vesiculosa* Fil., 1854, renamed) (in *Paludina vivipara*); 1858d, 254–255, to (*Acanthocephala*) (syns. *C. vesiculosa* Fil.; *C. (Xiphidiocerc.) vesiculifera* Dies.; *C. microcotyla* Fil.) (in *Pal. vivip.*, *P. achatina*).  
*vesiculosa* Dies., 1850a, 295–296 (in *Paludina vivipara*; based on *Cerc. I.* Baer, 1827b; Regiomontii, Berlin, Heidelberg); 1855a, 385 to (*Eucerc.*); 1858d, 254 (of Fil.), syn. of *C. (Acanthocephala) vesiculifera*, 254 (syn. *C. (Eucerc.) vesiculosa* Dies.) to (*Acanthocephala*).—Braun, 1892a, 797, 806.—Erc., 1881e, 9–10, pl. 1, figs. 18–19, 12, 52; 1882a, 245–246, 248, 288 (in *Pal. achatina*, *P. vivip.*; Italy).—Fil., 1854a, 12–13, 22, pl. 1, figs. 12–14; 1855b, 23; 1857c, 14–15, 16, 17, pl. 2, figs. 22–23, 24, 25 (in *Pal. vivip.*, *P. ach.*; Lake Majeur).—Moul., 1856, 81–82, 103–104, 158–159, pl. 5, bis figs. 13, 14; 260 (in *Pal. vivip.*; Berlin).—Pag., 1857, 21–22, pl. 2, figs. 1–4 (in *Pal. vivip.*).—Par., 1894, 163.—La Valette, 1855, 19–20, pl. 1, fig. 8.  
*vesiculosa* of Fil., 1854a, 12, 13, 22, 30, pl. 1, figs. 12–14 (in *Paludina vivipara*).—Dies., 1855a, 389 (renamed *C. (Xiphidiocerc.) vesiculifera*); 1858d, 254 (syn. of *C. (Acanthocephala) vesiculifera* Dies.).  
*villoti* Mont., 1888, 194 (*C. setifera* Müller of Villot, 1879, in *Scrobicularia tenuis*, renamed), 195, 197; 1888, 77.—Giard, 1897c, 954.



## CERCARIA—Continued.

- virgula* (Fil., 1837) Dies., 1850a, 296; 1855a, 386, to (Eucerc.); 1858d, 260, to (Acanthocephala) (syn. C. (Eucerc.) *virg.* Dies.) (larva of *Dist. maculosum* Rud.) (in *Valvata piscinalis*, *Paludina impura*).—Biehringer, 1884, 15, 18.—Braun, 1892a, 749, 809; 1893a, 859.—Fil., 1855b, 5, 10, 19, 22, 23, pl. 1, figs. 5–10 (= *Dist. virg.*) (in *Pal. imp.*; Pavia, Moncalier); 1856b, 85; 1857c, 6–7, pl. 1, figs. 9, 10 (in *Pal. imp.*).—Florance, 1866a, 8.—Harz, 1881c, 4, 7, 8.—Leuck., 1863, 504, 505, 506, fig. 173.—Linst., 1901, 197.—Looss, 1894a, 40.—Moul., 1856a, 51, 82, 99, 104, 161–163 (in *Pal. imp.*; Pavia Moncalier).—Par., 1894, 163.
- viridis* Müller, 1786, 126–127, pl. 19, figs. 6–13 (in *aquis fossarum stagnantibus primo vere*).—Bory, 1825a, 84.—Bosc, 1802a, v. 3, 226.—Bruguère, 1792a, 456., 460–461.—Nitzsch, 1827, 68, to *Enchelys*.—Schränk, 1803, 80–83.
- vitrina* Linst., 1887, 105–106, pl. 2, figs. 8, 17c (in *Zebrina detrita*; Frauenberg b. Sondershausen).—Braun, 1893a, 831.
- vittelliloba* (Ols., 1876) Ssinitzin, 1906, 683, to (Gorgodera).
- vivax* Sons., 1892, Oct. 7, 137–138, pl. 18, fig. 3 (in *Cleopatra bulimoides*; Cairo, Egypt).—Braun, 1893b, 183 (in *Cl. bul.*).—Looss, 1896b, 210–223, pl. 15, figs. 162–177 (in *Cl. bul.*; Egypt, Tunis; *Melanopsis præmorsa*).—Rossbach, 1906, 370.

## CERCARIE, plural of Cercaria.

- gorgoderæ cygnoidis* Zeder, 1800, of Kowal., 1904 (9), 24 (in *Cyclas cornea*; Dublin).

## CERCARIEA Nitzsch, see Dies., 1850a, 286, 292; 1855a, 383–400; 1858d, 241–243.—Goldb., 1855a, 15.—Mont., 1888, 83.

CERCARIÆUM Dies., 1855a, 397–400 (collective group and not as true generic name, for little known and doubtful forms of *Cercariea* Nitzsch).—Bettend., 1897a, 4, 5, 7, 9, 12, 23, 30, 32, 33, 37, 39, 41, 42, 43, pl. 1, figs. 1, 2, 3, 5, 7, pl. 2, figs. 11, 15, 16, 17, pl. 3, figs. 18, 19, 20, 21, 22, 23, pl. 4, figs. 24, 25, 30, pl. 5, figs. 31, 32; 1897, 309, 311, 313, 316, 327, 334, 336, 337, 343, 345, 346, pl. 28, figs. 1–3, 5, 7, pl. 29, figs. 11, 15–17, pl. 30, figs. 18–23, pl. 31, figs. 24, 25, 30, pl. 32, figs. 31, 32 (in *Helix hortensis*).—Blochmann, 1892b, 649–652 (in *Helix hortensis*).—Blochmann & Bettend., 1895a, 218, 219, figs. 4, 5 (in *Helix hortensis*).—Brand., 1898a, 214 (22).—Braun, 1893a, 830, 857.—Darr, 1902, 694.—Kowal., 1898h, 158 (55).—Looss, 1894a, 236.—Sons., 1897, 252 (*Cercaryæum*).  
1897: *Cercaryæum* Sons., 1897, 252, for *Cercariæum*.

- ancyli lacustris* Dies., 1855a, 400, based on Baer, 1827b, 656, in *Ancylus lacustris*; 1858d, 282.

- coni mediterranei* (Fil., 1857c) Dies., 1858d, 282–283.

- coregoni feræ* Chavannes, —, 62, see Dies., 1858d, 283.—Linst., 1879a, 266 (in *Coregonus fera* Jur.).

- cycladis rivicolæ* (Dies., 1850) Dies., 1855a, 400 (in *Cyclas rivicola*); 1858d, 282.—Braun, 1893a, 830.

- echinatum* (Fil., 1837a) Dies., 1858d, 280 (syn. *Heterost. ech.* Dies.) (in *Paludina impura*; Ticinum).

- erythrops* Dies., 1855a, 400 (based on *Cerc. paludinae impuræ* Baer, 1827b) (*Regiomontii*); 1858d, 270 (to *Histrionellina*).

- flavescens* (Pag., 1857) Dies., 1858d, 278 (in *Bulimus radiatus*; Heidelberg).

- helicis* Meckel [? see *helicis pomatiae*].—Braun, 1891d, 424 (in *Helix nemoralis*; H. strigella); 1893a, 829, 856.—Hofmann, 1899a, 174, 175, 177, 178–185, 188, 193, 201, pl. 11, figs. 1, 3, 4, pl. 12, figs. 3, 4 (becomes mature in *Erinaceus europæus* to *Dist. leptosomum*, syn. *D. caudatum*).—Roewer, 1906, v. 41, 185–228, figs. 1, 2, 3, pl. 14, figs. 1–7, pl. 15, figs. 8–22; 1906, 5 Oct., 616–617; 1906, 9 Oct., 596–599; 1906, 15 Nov., 340–341.—Ziegler, 1905, 37.

- helicis alternata* Dies., 1855a, 398 (= *Dist. helicis* Leidy, renamed) (in *Helix alternata*; Philadelphia); 1858d, 278 (syn. of *C. vagans*).—Leidy, 1857, 44.

- helicis aspersæ* Dies., 1855a, 398 (for *helicis asperæ* Dies., 1850a, 302, based on Duj., 1845a, 472); 1858d, 277 (syn. *Cerc. h. a. Moulinic*) (in *Helix aspersa*; Rennes).

- helicis pomatiae* (Dies., 1850) Dies., 1855a, 398; 1858d, 278 (syn. *Cercaria sagittifera* Siebold) (in *Helix pomatia*).

- limacis* (Dies., 1850) Dies., 1855a, 397; 1858d, 277 (in *Limax agrestis*, *L. cinereus*, *L. rufus*; Rhedoni).—Braun, 1893a, 831.—Jackson, 1888, 651.

## CERCARIEUM—Continued.

- lymnæi auricularis* (Fil., 1854) Dies., 1855a, 398; 1858d, 278–279 (in *Lymnæus auricularis*).
- lymnæi palustris* Dies., 1855a, 399 (for *Heterost. lymnæi* Dies., 1850a, 302, based on Duj., 1845a, 473) (=Dist. *lymnæi* Dies., 1850, renamed); 1858d, 279 (in *Lymnæus palustris*; Rennes).—Sons., 1897, 252.
- lymnæi peregrini* Dies., 1858d, 279 (in *Lymnæus peregrin*; Turin).
- melanops* Dies., 1855a, 400 (based on *Cercaria paludinae impure* Baer, 1827b, 655); 1858d, 270 (to *Histrionellina*).
- naidis proboscideæ* Dies., 1858d, 283.
- oratum* (Dies., 1850) Dies., 1858d, 279–280 (syns. *Heterost. ov.* Dies., Dist. *luteum* La Valette) (adult=Dist. *luteum* Wagener, in *Esox lucius*) (in *Paludina vivipara*) (Berlin, Heidelberg, Regiomontii).—Mont., 1893, 190.
- paludinae impure* (Fil., 1854) Dies., 1855a, 399 (in *Paludina impura*); 1858d, 280 (syn. of *C. pal. imp. inerme*).
- paludinae impure armatum* (Fil., 1854a) Dies., 1858d, 281 (in *Paludina impura*).—Par., 1894, 161 (in *Bythinia tentaculata*).
- paludinae impure inerme* (Fil., 1854a) Dies., 1858d, 280 (syns. *C. pal. imp. Dies.*, *Cerc. pal. inerme* Morl., Dist. *pal. imp. inerme* Fil., adult=Dist. *perlatum* Nord.) (in *Paludina impura*).—Linst., 1873, 1 (larva of Dist. *perlatum* Nord.).—Par., 1894, 162 (in *Bythinia tentaculata*; Pisa).
- paludinae impure (tentaculorum)* Dies., 1855a, 399 (based on Dist. *pal. imp.* Baer, 1827b, 655) (in *Paludina impura*; Regiomontii); 1858d, 281.
- paludinae viviparæ* Dies., 1855a, 399 (=Cercaria *helicis viviparæ* Dies., 1850a, 298, renamed); 1858d, 279 (in *Paludina vivipara*; Vilnae).
- physæ fontinalis* (Baer, 1827) Dies., 1855a, 400; 1858d, 282.
- planorbis carinati* (Fil., 1857) Dies., 1858d, 281–282.
- planorbis cornei* (Dies., 1850) Dies., 1855a, 400; 1858d, 281 (syn. of *C. plan. cornei* (ovariorum)).
- planorbis cornei (hepatis)* Dies., 1858d, 281 (in *Planorbis corneus*).
- planorbis cornei (ovariorum)* Dies., 1858d, 281 (syn. *C. planorbis cornei* Dies.) (in *Planorbis corneus*).
- spinulosum* Hofmann, 1899a, 178, 185, 193, 201, pl. 11, fig. 2, of pulmonates, see Dist. *spinulosum* of *Erinaceus europæus*.
- tellinæ balticæ* (Dies., 1850) Dies., 1855a, 400; 1858d, 283.—Braun, 1893a, 830.—Pag., 1862, 298.
- vagans* (Leidy, 1850) Dies., 1855a, 398; 1858d, 278 (syns. Dist. *helicis* Leidy, D. *pericardium* Crép., D. *vagans* Leidy, C. *helicis alternatæ* Dies.) (in *Helix albolabris*, H. *alternata*; Philadelphia).
- CERCARYEUM Sons., 1897, 252, for Cercarieum.
- CERCORCHIS Luehe, 1900aa, 566 (tod. *linstowi*), subg. of *Telorchis*; κέρκος, tail.—Braun, 1901a, 14; 1901b, 58; 1901i, 58.—Looss, 1902m, 831, 832, 834, 835. 1899: *Telorchis* Looss, 1899b, 566 (tod. *linstowi*).
- linstowi*[i] (Stoss., 1890) Luehe, 1900aa, 566.
- CHARAXICEPHALUS Looss, 1901i, 7 Nov., 621–622 (m. *robustus*); 1902, 541, 542, 562, 579, 582, 589, 590, 591, 596, 597, 598, 599, 600, 601, 602, 609, 611, 612–613 (diagnosis) (*Pronocephalidae*).—Pratt, 1902a, 890, 910 (key).
- robustus* Looss, 1901i, 621–622 (in *Chelone mydas*; Egyptian coast); 1902m, 416, 541–545, pl. 25, figs. 65–69, pl. 26, fig. 89, 548, 597, 599, 612.
- CHEILOSTOMUM Dies., 1850a, 286, 293 (m. *varicans*); 1855a, 379, 381, 394; 1858d, 273.—Burm., 1856a, 250.—Fil., 1857c, 8.—Goldb., 1855a, 15.—Moul., 1856a, 121, 123.
- varicans* (Abildg., 1794) Dies., 1850a, 293; 1855a, 394 (Hab. *primitivum* ignotum); 1858d, 273 (free; Dania).—Moul., 1856a, 213 (to *Cerc.*).—Pag., 1857, 6.
- CHIORCHIS Fischder., 1901, 374 (m. *fabaceus*); 1902a, 43–44.—Looss, 1902m, 442.—Pratt, 1902a, 887, 893 (key).—Shipley, 1905, v. 6, 8.
- dilatatus* Daday, 1905, 233 (in *Colossoma brachypoma*; Paraguay).
- fabaceus* (Dies., 1839) Fischder., 1901, 374; 1902a, 44–46, 53 (in *Manatus exunguis*, M. *latirostris*; Brazil and North America); 1903h, 528.
- corycephalus* (Dies., 1836) Daday, 1905, 233 (in *Colossoma brachypoma*).

CHONCHOSOMUM Galli-Valerio, 1901c, 364, for Conchosomum.

*alatum* (Göze, 1782) Galli-Valerio, 1901c, 364 (in dog).

CHORICOTILE Parona & Perugia, 1889, 743, (for Choricotyle).

CHORICOTYLE Ben. & Hesse, 1863; 1864, 96, 109 (m. chrysophryi).—Braun, 1890a, 477, 498, 516, 517, 522, 546.—Cerf., 1895h, 918, 920; 1896, 514, 515.—Mont., 1888, 8, 11, 86, 89, 99; 1903, 336 (syn. of *Diclidophora*).—Par. & Per., 1890, 10, 13.—Tasch., 1879, 240.

1889: Choricotile Par. & Perugia, 1889, 743, for Choricotyle.

*chryphrii* Cerf., 1898a, 303 (for chrysophryi).

*chrysophris* Mont., 1888, 11, 16 (for chrysophryi).

*chrysophryi* Ben. & Hesse, 1863; 1864, 109–110, pl. 11, figs. 16–22 (in *Chrysophrys aurata*).—Cerf., 1898a, 303 (chryphrii).—Mont., 1888, 11, 16 (chrysophris).—Tasch., 1879, 247 (to *Octobothrium*).

*marionis* St. Loup, 1885, 176 (in *Mæna vulgaris*).

*taschenbergii* Par. & Perugia, 1889, 743 (Choricotile); 1890, 743 (Choricotile) (in *Sargus rondeletii*; Genova); 1890, 6.—Braun, 1890a, 418, 535, to *Octobothrium*.—Cerf., 1898a, 303.

CLADOCÆLIUM Stiles & Hass., 1898a, 89, misprint for Cladocœlium.

CLADOCALIUM Pontalié, 1853, 104, 105 (misprint for Cladocœlium).—Stiles, 1904i, 21.—Stiles & Hass., 1898, 86, 89.

CLADOCÆLIUM Duj., 1845a, 382, 388, 389 (m. hepaticum), as subg. of *Dist.*—R. Bl., 1891, 609, 610.—Braun, 1893a, 885, 886, 909, 910; 1895, 138.—Looss, 1899b, 535.—Mont., 1888, 38, 92, 105; 1893, 150, 154.—Stiles, 1904i, 21.—Stiles & Hass., 1898a, 86, 89 (Cladocalium).—Stoss., 1892, 4, 7, raised to generic rank.

1853: Cladocalium Pontalié, 1853, 104, 105, misprint.

1898: Cladocœlium Stiles & Hass., 1898a, 89, misprint.

*delphini* (Poir., 1886) Stoss., 1892, 10 (in *Delphinus delphis*).

*elephantis* (Dies., 1858) Stoss., 1892, 9 (in *Elephas indicus*; Rangoon).

*giganteum* (Dies., 1858) Stoss., 1892, 9–10 (syns. *Dist. gig.*, *Fasc. gig.*, *Dist. magnum*) (in *Camelopardalis giraffa*, *Cervus aristotelis*, *C. canadensis*, *C. elaphus*, *Dama vulgaris*, *Portax picta*).—Stiles, 1898a, 49, 51; 1904i.—Ward, 1895, 253 (syn. of *Fasc. magna*); 1903, 866 (in part syn. of *Fasc. magna*).

*hepaticum* (Linn., 1758) Stoss., 1892, 7–9 (syns. *Fasc. hepat.*, *Dist. hepat.*, *Dist. cavia*) (in *Antilope doreas*; *Bos bubalis*, *Egitto*; *B. taurus*; *Padova*, *America*; *Camelus bactrianus*, *Cavia cobaja*, *Capra hircus*, *Cervus capreolus*, *C. elaphus*; *C. virginianus*, *North America*; *Castor fiber*, *Dama vulgaris*, *Elaphus indicus*, *Equus asinus*, *E. caballus*, *Padova*, *North America*; *Felis domestica*, *Homo*, *Dalmazia*, *Spagna*, *Zurigo*; *Liverpool*; *Lepus cuniculus*, *L. timidus*, *Macropus giganteus*; *Ovis aries*, *Padova*, *Normandia*, *Mecklenburg*, *Offenbach*, *Buenos Aires*; *Ovis argali*; *Portax picta*, *India*; *Sus scrofa*).—Braun, 1903, 147 (to *Fasc.*); 1906, 150, fig. 83 (to *Fasc.*).—Duj., 1845a, 389.—Rail., 1893a, 342.—Stiles, 1898a, 29; 1904i, 22.—Ward, 1895, 327 (in *Homo*); 332 (in *Bos taurus*), 335 (in *Ovis aries*), 338 (in *Equus caballus*); 1903, 865 (to *Fasc.*).

*holostomum* (Rud., 1819) Stoss., 1892, 145.—Braun, 1902b, 136, syn. of *Urogonimus macrostomus*.

*palliatum* (Looss, 1885) Stoss., 1892, 10–11 (in *Delphinus delphis*).

*rochebruni* (Poir., 1886) Stoss., 1892, 11 (in *Delphinus delphis*).

*sulcatum* (Linst., 1883) Stoss., 1892, 145.

(CLADOCÆLIUM) Duj., 1845a, 382, 388, 389 (m. hepaticum), subg. of *Dist.*

*hepaticum* (Linn., 1758) Duj., 1845a, 389–390, see *Fasc.*

*macrocotyle* (Dies., 1858) Stoss., 1886, 63.

*miescheri* Zschokke, 1890, 764 (in *Trutta salar*).

*pagelli* (Ben., 1870) Stoss., 1886, 59.

*reliporum* (Crep., 1837) Stoss., 1886, 64.

CLADORCHINÆ Fischder., 1901a, 372; 1902a, 35; 1903h, 490, subf. of *Paramphistomidae*.—Looss, 1902m, 439.—Pratt, 1902a, 887, 892 (key), includes *Gastrodiscus*, *Homalogaster*, *Diplodiscus*, *Cladorchis*, *Chiorchis*; related genus *Balanorchis*.—MacCallum, 1905, 668.—Shipley, 1905, v. 6, 4, 8.—Stiles, 1904i, 45.

- CLADORCHIS** Fischder., 1901a, 372 (tod. pyriformis); 1902a, 35-36, 43, 45.—Looss, 1902m, 836.—MacCallum, 1905, 668.—Pratt, 1902a, 887, 893 (key).—Shipley, 1905, v. 6, 8.
- asper* (Dies., 1839) Fischder., 1901, 373; 1902a, 39 (in *Tapirus americanus*); 1903f, 602-606, pl. 29, figs. 82-85.
- giganteus* (Dies., 1836d) Fischder., 1901, 373 to (Stichorchis); 1902a, 41-42, 43 (in *Dicotyles albirostris*, *D. torquatus*); 1903f, 611-614, pl. 30, figs. 89-92.
- helostomatis* MacCallum, 1905, 673-678, fig. B (in *Helostoma temmincki*; Palembang, Sumatra).
- pangasii* MacCallum, 1905, 668-673, fig. A (in *Pangasius nasutus*; Palembang, Sumatra).
- pyriformis* (Dies., 1839) Fischder., 1901, 373; 1902a, 36-38, 39, fig. 3 (in *Tapirus americanus*); 1903h, 596-602, figs. 78-81.
- schistocotyle* Fischder., 1901, 373, to (Taxorchis) (in *Dicotyles torquatus*); 1902a, 40-41 (syn. *Amphist. giganteum* Dies., 1835 c. p.; Brazil), to (Taxorchis) (in *Dic. torq.*); 1903f, 607-610, pl. 29, figs. 86-87, pl. 30, fig. 88 (schistolotyle).
- subtriquetrus* (Rud., 1814) Fischder., 1901, 373-374, to (Stichorchis); 1902a, 35, 42-43, to (Stichorchis) (syns. *Amphist. subtriq.* Rud., *Dist. amphistomoides* Boj.) (in *Castor fiber*); 1903h, 567, to (Stichorchis); 1903f, 615-620, pl. 30, figs. 93-96.
- watsoni* (Conyngham, 1904) Shipley, 1905, 129-135, pl. 4, figs. 1-10 (in *Homo*; Africa); 1905, 1-9, pl. 4, figs. 1-10; 1905, April, 205; 1905, 8 April, 950; 1905, 2 Nov., 1298; 1905, 9 pp., 10 figs., 190.
- CLINOSTOMIDÆ** Luche, 1901, 488.—Looss, 1902m, 839 (includes *Clinost.*, *Harmost.*, *Itygoninus*, *Urotocus*, *Hapalotrema*.—Odh., 1902, 42.
- CLINOSTOMINÆ** Pratt, 1902a, 889, 907 (key), includes *Clinost.*, *Nephrocephalus*; additional genera *Sperost.*, *Microlistrum*, *Mesotretes*, *Hapalometra*, and *Distoma oricola*.—Odh., 1902, 42.
- CLINOSTOMUM** Leidy, 1856, 45 (tld. *gracile*)<sup>a</sup> [not *Clinostomus* Giard, 1856, 211, fish].—Braun, 1893a, 886, 887, 894; 1899, 1, 3; 1899, 465; 1899g, 484-488, 489-493; 1899h, 1-3; 1900h, 1-48, pls. 1-2, figs. 1-20; 1900c, 24-32; 1900, 27, 31; 1901b, 9, 34; 1901, 561; 1904, v. 2 (3), 24-25.—Darr, 1902, 655.—Looss, 1899b, 649-651 (see *aequale*, *heteroclitum*, *commutatum*); 1902m, 839.—Luche, 1899, 538; 1900, 557; 1901, 488.—MacCallum, 1899, 707.—Mont., 1893, 156.—Odh., 1902, 29, 42.—Stiles & Hass., 1898a, 86 (*gracile*, designated type), 96.—Odh., 1902, 29.—Pratt, 1902a, 889, 907 (key).—Stiles, 1901, 184.
- africanum* Stoss., 1906, in Galli-Valerio, 1906, 49-50, fig. 2, in int. of fish; French Kongo.
- complanatum* (Rud., 1814) Braun, 1899g, 490, 491 (in *Ardea cinerea*; Berlin); 1900, 27-28, 31; 1900h, 23-25, 26, 41, 42, pl. 1, figs. 6, 7.—Stoss., 1901, 97 (9) (in *Ardea cinerea*; Albana).
- detruncatum* Braun, 1899g, 490 (*Dist. dimorphum* Dies., p. p.) (in *Mycteria americana*, *Ciconia americana*; Brazil); 1900, 29-30, 31; 1900h, 28, 32-34, 35, 37, 39, 40, pl. 2, fig. 11.
- dimorphum* (Dies., 1850) Braun, 1899g, 490 (in *Ardea cocoi*; Brazil); 1900h, 12, 36-38, pl. 1, figs. 3, 9, pl. 2, figs. 12, 18; 1900, 29, 31.—Looss, 1899b, 650.
- dubium* Leidy, 1856, 45 (in *Rusticola minor*); 1904a, 88.—Braun, 1899g, 484; 1900h, 2.—Cobbold, 1859, 10.—Dies., 1858e, 336.—Stoss., 1892, 181.—Stiles & Hass., 1898a, 86.
- foliiforme* Braun, 1899g, 490 (in *Ardea purpurea*; Italy); 1899h, 2; 1900h, 20, 30-32, 42, pl. 1, fig. 5.
- gracile* Leidy, 1856, 45 (in *Pomotis vulgaris*, encysted; *Esox*, intest.); 1904a, 88.—Brand., 1898a, 203 (11).—Braun, 1892a, 651; 1899g, 484, 486, 491 (doubts exist as to identity of *gracile* and *heterostomum*); 1900h, 2, 4, 5, 6, 13, 42; 1900, 26, 31.—Dies., 1858e, 336 to *Dist.*—Looss, 1894a, 137, 138, 171; 1899b, 585, 649, 650, 651 (*gracile* not identical with *heterostomum*).—MacCallum, 1899a, 704, 705, 707, 708. Mont., 1888a, 92; 1893, 155.—Staff., 1904, May 3, 493 (gills of *Perca flavescens* Mit.; Canada).—Stiles, 1901, 176.—Stiles & Hass., 1894, 414; 1898a, 86, 96 (type of *C.* and syn. of *Dist. heterostomum* Rud.).

<sup>a</sup> Looss considers that *gracile* is not the young form of *heterostomum*, but he accepts the latter as type; this is doubtless a lapsus.

## CLINOSTOMUM—Continued.

- heluans* Braun, 1899g, 490 (in *Ardea coerules* and *Nycticorax gardeni*; Rio de Janeiro); 1900, 30, 31; 1900h, 8, 11, 39–41, pl. 2, fig. 10.
- heterostomum* (Rud., 1809) Braun, 1899g, 487, 489–490 [t. h. *Ardea purpurea*; t. l. apparently Europe]; 1900c, 30–31; 1900h, 11, 19–22 (includes *Dist. het.* Rud., 1809a, 381; 1819a, 102, 388; Duj., 1845a, 400; Dies., 1850a, 353; Stoss., 1892, 64; Par., 1896, no. 258; *D. hians* p. p. Par., 1887, 331 from *Nycticorax griseus*), figs. 1–2, (29), 42, (44, 45); 1902b, 124.—Looss, 1899, 650.
- heterostomum* MacCallum, 1899a, 697–710, figs. 1–7 (in *Ardea herodias*; Dunville, Ontario, Canada).—Braun, 1900c, 140–141 (identical with *Dist. marginatum* Rud. and ? *D. complanatum* Rud. and ? *D. heterostomum* Wright); 1900h, 29, 45 (syn. of *Clinost. marginatum*); 1904, 23.
- lambitans* Braun, 1899g, 490 (“in Schlunde eines Reihers; Semanabay, West-indien”); 1900c, 30, 31; 1900h, 41–42, pl. 2, figs. 16, 17.
- marginatum* (Rud., 1819) Braun, 1899g, 490 (in *Ardea* sp., Brazil; *Ardea cocoi* and *Mycteria americana* in Brazil); 1900c, 28, 31; 1900h, 25–30, 32, 37, 41, 45, 46, pl. 1, figs. 4, 8, pl. 2, figs. 19, 20.
- reticulatum* (Looss, 1885) Braun, 1899g, 491.—Looss, 1899, 651.
- sorbens* Braun, 1899g, 490 (in *Tantalus loculator*; Brazil); 1900c, 30, 31; 1900h, 34, 37, 45, pl. 2, figs. 13–15; 1902b, 129.

CLONORCHIS Looss, 1907, Feb. 1, 147–152 (tod. *sinensis*).

- endemicus* (Baelz, 1883) Looss, 1907, Feb. 1, 150–152.
- sinensis* (Cobbold, 1875) Looss, 1907, Feb. 1, 148–150 (syn. *Dist. innocuum* Baelz, 1883).

CODONOPHALUS Dies., 1850a, 287, 317–318 (m. *mutabilis*); 1858c, 312, 323, 393.—Brand., 1888a, 12, 13, 51; 1890a, 578.—Braun, 1894l, 166; 1895b, 132.—Goldb., 1855a, 17.—Mont., 1888, 84, 92.—Moul., 1856a, 16.—Villot, 1898, 542.

- mutabilis* Dies., 1850a, 317–318, *Amphist. urnigerum* Rud., 1819, renamed (in *Pelophylax esculentus*); 1858c, 323 (in *Pel. esc.*).—Baird, 1853a, 49 (=Holst. urn. Duj.).—Brand., 1888a, 13.—Braun, 1892a, 796; 1893a, 870; 1894, 167.—Gastaldi, 1854a, 14 pp., 2 pls.—Giebel, 1857, 266 (*Amphist. urn. Rud.*).—Hannover, 1864a, 3, 4.—Mol., 1858, 128; 1859, 818–819, pl. 1, fig. 2 (in *Pel. esc.*; Padua); 1861, 197.—Much., 1898, 16.—Sons., 1893, 188, 190 (syns. *Amphist. urn. Rud.*; *Holost. urn. Duj.*) (in *Rana esculenta* L.).

## CENOGONIMINÆ Looss, 1899b, Dec., 573, 583–584, 586, 619; 1902, 839.—Jägers., 1903a, 14, 15.—Luehe, 1901, 488.—Odhn., 1900, 13, 21; 1905, 314.

CENOGONIMUS Looss, 1899b, Dec., 585, 586, 619 (tod. *heterophyes*); *κοινός*, *gemeinsam*; *γόνομος*, *Erzeugende*; 1900d, 608; 1902m, 515, 833, 835.—Braun, 1901b, 56; 1901c, 334 (syn. of *Cotylogonimus* Luehe); 1901i, 56.—Jägers., 1900c, 736; 1903a, 10, 11, 13, 15.—Luehe, 1900aa, 557.—Odhn., 1900, 21, 22.—Ofenheim, 1900, 183.—Stiles, 1904i, 43.—Stiles & Hass., 1900a, 563.

*fraternum* (Looss, 1894) Jägers., 1903a, 3, for *fraternus*.

*fraternus* (Looss, 1894) Looss, 1899b, 585, 700–701; 1901b, 205.

*heterophyes* (Sieb., 1853) Looss, 1899b, 585, 678, 699–700, 701.—Braun, 1903, 164 (to *Cotylogonimus*).—Jägers., 1903a, 3.—Ward, 1903, 870.

COLEPS Nitzsch, 1827, 69 (m. *Cerc. hirta*).CONCHOSOMA Stoss., 1898, 20, for *Conchosomum*, q. v.

## CONCHOSOMINÆ Rail., 1896, 160.

CONCHOSOMUM Rail., 1896, Mar. 15, 160, *Hemist.* Dies., 1850 [not Swainson] renamed, tod. *alatum*.—Stoss., 1898, 20.—See also *Alaria* 1788.

1898: *Conchosoma* Stoss., 1898, 20.

1901: *Conchosomum* Galli-Valerio, 1901c, 364.

*alatum* (Gæze, 1782) Rail., 1896, 160 (in intest. of *Canidæ*).—Piana, 1898, 3.

*spathaceum* (Rud., 1819) Stoss., 1898, 20–21 (in *Iarus canus*, *L. argentatus* *michahelesii*; Triest).

*spatula* (Dies., 1836) Stoss., 1898, 20 (in *Buteo vulgaris* at Triest, Iamiano; *Falco peregrinus* at Ospio; *Circus aeruginosus* at Verteneglio, Monfalcone, Doberdò, Iamiano).—See *spatula*.

COSMOCOTYLEA Dies., 1858c, 313, 360, 365 (subf. of *Monocotylea*, contains *Gasterost.*, *Rhipidocotyle*, *Callicotyle*).—Tasch., 1878, 565, 566.COTYLAGASTER Mont., 1904, 65, misprint for *Cotylogaster*.

- COTYLASPIS** Leidy, 1857a, 18 (m. *insignis*); 1858a, 110; 1904a, 110.—Braun, 1893a, 886, 887, 888, 891, 894, 896.—Dies., 1859c, 438–439.—Hoyle, 1890, 539 (one species; in *Anodonta*).—Jackson, 1888, 650 (endoparasitic, American *Anodonta*), 654.—Kofoid, 1899, 180, 181, 182, 183, 184.—Mont., 1888, 89, 91, 1892, Oct. 7, 196, 197, 198, 199, (syn. of *Aspidogaster*) 202.—Nickerson, 1902; 599, 603, 604, 605, 612, 613, 615, 617.—Pratt, 1902a, 887, 891 (key).—Shipley & Hornell, 1904, 98.—Tasch., 1879, 259.
- insignis* Leidy, 1857a, 18 (in *Anodonta fluviatilis*, A. lacustris); 1858a, 110.—Dies., 1859c, 439.—Kofoid, 1899a, 179–186 (identity with *Platyaspis anodontæ*); 1899b, 179–186.—Mont., 1892, Oct. 7, 197, 201 ("syn. of *Aspidogaster conchicola*"), 202.—Nickerson, 1902, 612, 613, 614, 619 (in *Unionidae*; North America).—Osborn, 1905a, 201–242 (habits and structure), figs. 1 (a–f), 1–81; 1905, 201–242, 3 pls., 1 fig.; 1905, 317–318.—Tasch., 1879, 259 (in *Anod. fluv.*, A. lac.; North America).—Also reported for *Anodonta corpulenta*, *Unio alatus*, *U. anadontoides*, *U. confragosus*, *U. edentulus*, *U. elegans*, *U. gracilis*, *U. katharinæ*, *U. ligamentinus*, *U. rectus*, *U. tuberculatus*).
- lenoiri* (Poir., 1886) Nickerson, 1902, 613, 614, 619 (in *Tetrathyra*; Senegal).
- COTYLEA** Dies., 1850a, 286, 293 [not of Mont., 1891, 111], subtribe of *Dicranocœla* to contain *Rhopalocerca*, *Bucephalus*, *Malleolus*, *Cerc.*, *Histriionella*, *Diplocotyle*.—Goldb., 1855a, 15.
- COTYLEGASTER** Sieb., 1877 MS. in Cobbold, 1877c, 235, 237 (lapsus for *Aspidocotylus*) [not *Cotylgaster* Mont., 1892].
- cochleariforme* (Dies., 1838) Sieb., 1877 MS. in Cobbold, 1877c, 235, 237 (lapsus), see *Gastrodiscus sonsinoi*; 1879b, 360 (syn. *Aspidogaster cochleariformis*) "not to be confused with *Gastrodiscus*."—Ward, 1895, 338 ("error—*Gastrodiscus ægyptiacus*," in *Equus caballus*).
- cochleariformis* (Dies., 1838) Zuern, 1882, 222 (see *cochleariforme*).—Lejtenyi, 1881a, 1.—Sons., 1895, 179, 180; 1896, 297.
- COTYLOCEPHALA** Dies., 1858e, 315 (f. of *Trematoda plectanophora* to contain subf. *Aplacoplectana*, *Placoplectana*), 382.—Ben. & Hesse, 1864, 95.—Mont., 1888a, 84.
- COTYLOGASTER** Mont., 1892a, Oct. 7, 168, 169, 170, 173, 174, 175, 176, 177, 179, 180, 183, 184, 185, 186, 187 (*Aspylogaster*), 188, 189, 190, 191, 194, 195, 196, 197, 198, 206\* (m. *michaelis*), 213 (g. of *Aspidobothridæ*); 1893, 37, 111, 114, 202, 205, 206, 209.—Braun, 1893a, 888, 890, 891, 894, 896, 897, 917, 918; 1893b, 177, 178, 179, 182, 188.—Gamb., 1896, 73.—Kofoid, 1899, 182.—Lejtenyi, 1881a, 2.—Looss, 1894a, 131, 134; 1902, 428, 429.—Nickerson, 1902, 602, 604, 606, 610, 611, 612, 617.—Pratt, 1902a, 887, 891 (key).—Stoss., 1898, 19.
- 1892: *Aspylogaster* Mont., 1892, Oct. 7, 187, for *Cotylgaster*.
- michaelis* Mont., 1892, Oct. 7, 168–173, 198, 206–207, pls. 21–22 (in *Cantharus vulgaris*; Triest); 1893, 52, 82, 145, 202; 1902, 139.—Braun, 1893a, 887, 898; 1893b, 184.—Jägers., 1899, 203, 207.—Looss, 1902, 420, 421, 428.—Nickerson, 1902, 597, 598, 599, 600, 601, 602, 603, 605, 606, 610, 611, 618 (in *Can. vulg.*; Triest).—Stoss., 1898, 19; 1899, 3.
- occidentalis* Nickerson, 1900, Feb. 16, 250 (in *Sheepshead*; Mississippi Valley); 1901, Mar. 8, 378; 1902, 597–624, pl. 32, figs. 1–7, pl. 33, figs. 8–21 (in *Aplo-dinotus grunniens*; Minnesota).
- COTYLOGONIMINÆ** Pratt, 1902a, 888, 897 (key), includes *Cotylgonimus* and *Cryptocotyle*.
- COTYLOGONIMUS** Luche, 1899k, Dec., 538, 539 (tod. heterophyes); 1900, 555, 557.—Braun, 1900h, 6; 1901e, 334, 338; 1901i, 56; 1903, 164; 1906, 171–172.—Pratt, 1902a, 888, 898 (key).—Looss, 1900, 607; 1902, 813, 833.—Stiles, 1904i, 43.—See *Heterophyes*.
- [*concavum* (Crep., 1825), 1899 to (*Cryptocotyle*).]
- fraternus* (Looss, 1894) Braun, 1901c, 337.—Fischder., 1903h, 548.
- heterophyes* (Sieb., 1853) [Luche, 1899k, 539].—Braun, 1901e, 335, 337, 338; 1903, 3 ed., 164–166, fig. 114; 1906, 136, fig. 71, 172–173, fig. 105.—Fischder., 1903h, 548.—Ward, 1903, 870 (to *Heterophyes*).—Type of *Heterophyes*, q. v.
- persicus* Braun, 1901e, 334–338, pl. 20, fig. 13 (in *Persian wolf*).
- COTYLOPHORA** Mont., 1888a, 84, 93, for *Trematoda cotylophora* Dies., 1858e, 312, a subtribe containing fams. *Monocotylea*, *Tricotylea*, *Polycotylea* [not *Cotyl-ophori* Mayer, 1841a, 24, 25].

- COTYLOTRETUS Odhn., 1902, 32 (m. rugosus).—Pratt, 1902a, 888, 897 (key).  
*rugosus* Odhn., 1902, 32–45, fig. 3 (in *Coluber pullatus* = *Spilotes pullatus*).  
 CRANIOCEPHALA Mont., 1905, 21–24 (m. birói), a temnocephala; *κράνειον*, cornelian-tree.  
*birói* Mont., 1905, 21–24 (named after L. Biró), figs. 1–2 (in *Sesarma gracilipes* A. Edw.; Sattelberg, New Guinea).  
 CRASPEDELLA Haswell, 1893e, 96, 98, 99, 112, 114, 132, 141, 143, 145 (m. spenceri); 1893f, 154.—Mont., 1899, 84, 115, 116, 117, 120, 121.—Pratt, 1900a, 646, 647 (key).—St.-Remy, 1898, 522, 529.  
*spenceri* Haswell, 1893e, 97, 98, 113, 142, pl. 13, fig. 21, pl. 15, fig. 3 (in *Astacopsis bicarinatus*); 1900, 433.—Mont., 1899, 84, 121 type (in *Ast. bic.*; Austr.).—Pratt, 1900a, 655, 657, fig. 2.—St.-Remy, 1898, 529–530, fig. 1 (in *Ast. bic.*).  
 CREADIINÆ Looss, 1899b, Dec., 571.—Luehe, 1900, 487.—Odhn., 1901, 483.  
 CREADIUM Looss, 1899b, Dec., 570–571, 574, 580, 595 [not *Creadium*, *Creadion* Vieill., 1816, bird] tod. isoporum; 1900d, 3 Dec., 602 (renamed *Allocreadium*).—Braun, 1900, 232; 1901b, 33.—Luehe, 1900, 487, 489; 1901, 397.—Odhn., 1901, 483.—Stiles, 1901, 189.—[See also *Dist. commune*, *D. scorpaenæ*, *D. fasciatum*, *D. sophiae*, *D. bacillare*, *D. pedicellatum*, *D. album*, *D. mormyri*, *D. obovatum*.—Looss, 1899b, 571.  
*angusticollis* (Hausmann, 1896) Looss, 1899b, 571 [possibly identical with *D. commune* Ols., 1868, 31].  
*isoporum* (Looss, 1894) Looss, 1899b, 570, 571, 595.  
*pegorchis* Stoss., 1901, descr. of pl. 6, fig. 4, see *Allocreadium*.  
 CREPIDASTOMUM Pratt, 1902a, 888, 896, misprint for *Crepidostomum*.  
 CREPIDOSTOMUM Braun, 1900b, 232 (tod. *metæcus*); 1901b, 31, 33.—Heymann, 1905, 83, 89 (*Fasciolidae*, *Bunolerinae*).—Looss, 1902, 452, 453, 454.—Odhn., 1905, 296.—Pratt, 1902a, 888 (*Crepidast.*, *Fasciolidae*, *Psilostominae*), 896 (key).—Staff., 1904, 491.  
 1902: *Crepidastomum* Pratt, 1902a, 888, 896, misprint.  
*cornutum* (Osborn, 1903) Staff., 1904, May 8, 490 (int. of *Ambloplites rupestris* Raf.; Canada), 491.  
*laureatum* (Zed., 1800) Braun, 1900b, 232 (in fish).—Heymann, 1905, 87.—Looss, 1901, 564; 1902, 452, 453.—Odhn., 1905, 296.—Staff., 1904, May 3, 490 (int. *Salvelinus fontinalis* Mit.; Canada), 1. var. in *Perca flavescens* and *Stizostedion vitreum*, 2. var. in *Necturus maculatus*; 1905, Apr. 11, 682 (int. *Necturus maculatus*; Canada).  
*metæcus* (Braun, 1900) Braun, 1900b, 230–232, pl. 10, fig. 13.—Heymann, 1905, 87.—Looss, 1901, 564; 1902, 451 (in *Vespertilio lasiopterus*), 452, 453.—Odhn., 1905, 296.  
 CRICOCEPHALUS Looss, 1899b, Dec., 551, 666–667 (tod. *delitescens*), ὁ *κρίκος*, ring; 1901b, 209; 1901l, 620; 1902m, 531, 532, 534, 536, 537, 540, 542, 547, 562, 570, 576, 579, 580, 581, 582, 583, 585, 586, 587, 589, 591, 593, 599, 600, 601, 603, 604, 605, 609, 612, 614\* (*delitescens*=*albus*).—Braun, 1901a, 50.—Pratt, 1902a, 890, 910 (key).  
*albus* (Kuhl & Hasselt, 1822) Looss, 1899b, 667; 1901l, 621; 1902m, 511, 532 (syn. *delitescens*), pl. 25, fig. 64; pl. 32, figs. 170–174; 533, 535, 536, 537, 539, 540, 541, 600, 605, 614.—Braun, 1901a, 45, figs. 10, 13, 15, 16.  
*delitescens* Looss, 1899b, 666, 667, 759–762 (in *Chelonia mydas*; apparently Egypt), 773, figs. 76–80; 1902m, 531, 532 (syn. of *C. albus*), 549, 605.—Braun, 1901b, 38, 44, 45, 48.  
*megastomus* Looss, 1902, 533–536, 540, 541, 605, pl. 25, figs. 57–60, pl. 27, fig. 90 (in *Chelone mydas*; Egyptian coast).  
*rescetus* Looss, 1902m, 537–541, 813, pl. 25, figs. 61–63, 813 (in *Chelone mydas*; Egyptian coast).  
*ruber* (Kuhl & Hasselt, 1822) Looss, 1899, 762.  
 CROBYLOPHORUS Kroyer, 1852–53a, 813 (m. *chimæra*).—Dies., 1859c, 447 (syn. of *Gyrocotyle*).  
*chimæra* Kroyer, 1852–1853a, 813, 1226–1227 (in *Chimæra monstrosa* L.).—Dies., 1859c, 447 (syn. of *Gyrocotyle amphiptyches*).  
 CROSSEDERA Mont., 1888, 92 (for *Crossodera*).

- (CROSSODERA) Duj., 1845a, 382, 389, 434-437 [not Gould, 1837, aves], subg. (tld. *nodulosa*) of Dist.: raised to generic rank by Cobbold, 1860a, 31. See *Crossodera*.—Mont., 1888a, 12.—Stiles & Hass., 1898a, 84 (syn. of *Bunodera*).
- auriculatum* (Wedl, 1857) Stoss., 1886, 63.
- campanula* Duj., 1845a, 435, as doubtful (in *Esox lucius*: Rennes, France).
- crucibulum* (Rud., 1819) Duj., 1845a, 363, 435.
- crisium* (Rud., 1819) Duj., 1845a, 436-437.
- lauratum* (Zed., 1800) Duj., 1845a, 435-436. See *Crossodera*.
- nodulosum* (Frœlich, 1791) Duj., 1845a, 434-435.—Stiles & Hass., 1898a, 85 (designated type of subg). See *Crossodera*.
- papilliferum* (Mol., 1861) Stoss., 1886, 60.
- verrucosum* (Busch, 1851) Stoss., 1886, 61.
- CROSSODERA (Duj., 1845a, tld. *nodulosa* [nec *Crossodera* Gould, 1837, aves]) Cobbold, 1860a, 31-32.—R. Bl., 1891, 609.—Braun, 1893a, 885, 890, 909, 911; 1900b, 232; 1900h, 3.—Fil., 1857c, 14.—Hass., 1896a, 7 (syn. of *Bunodera* Rail.).—Looss, 1899b, 535, 538, 542, 580, 594, 598.—Mont., 1888, 92 (*Crossodera*), 105; 1892, Oct. 7, 214 (g. of *Distominae*); 1893, 150, 152, 153, 155.—Rail., 1896, 160 (renamed *Bunodera*).—Stiles, 1901, 197.—Stiles & Hass., 1898a, 84, 85 (*nodulosa* type by designation), 87.—Stoss., 1892, 4, 5; 1899, 11.—Wagener, 1860, 165.
- 1888: *Crossodera* Mont., 1888, 92, misprint.
- campanula* (Duj., 1845) Cobbold, 1860a, 32 (in *Esox lucius*).
- laureata* (Zed., 1800) Cobbold, 1860a, 32 (in *Salmo trutta*, *S. fario*, *S. umbla*, *Thymallus vexillifer*).
- linearis* (Rud., 1793) Cobbold, 1860a, 32 (in *Phasianus gallus*).—Hass., 1896a, 2 (in *Gallus dom.*).—Rail., 1893a, 368.—Stoss., 1892, 146.
- nodulosa* (Frœlich, 1791) Cobbold, 1860a, 32 (in *Perca fluviatilis*, *Acerina vulgaris*, *Aspro vulgaris*, *A. zingel*, *Lucioperca sandra*, *Esox lucius*, *Barbus communis*).
- papillosa* (Dics., 1850) Cobbold, 1860a 32 (in *Beroë rufescens*) (syn. *Dist. beroës* Will).
- CRUMENA Nitzsch, 1827, 68-69 (m. *Cerc. crumena*).
- (CRYPTOCOTYLE) Luehe, 1899, 539 (tod. *concevum*), subg. of *Cotylogonimus*; 1900, 557.—Braun, 1900h, 6; 1901b, 56; 1901i, 56.—Jagers., 1901, 981.—Looss, 1900, 607 (type *concevum*); 1902, 813, 833.—Pratt, 1902a, 888, 897 (key).
- concevum* (Crep., 1825) Fischder, 1903h, 548.
- lingua* (Crep., 1825) Fischder, 1903h, 548.
- CRYPTOGONIMUS Osborn, 1903, 315-318 (m. *chili*; 1903, 533-534. Marshall & Gilbert, 1905, 479.
- chili* Osborn, 1903, 315-318, fig. 2 (in *Micropterus dolomieu*; Chautauqua; 1903, 533-534; 1904, 308.—Marshall & Gilbert, 1905, 478.—Staff., 1905, 682 (in *Ambloplites rupestris* Raf.).
- CRYPTOSTOMUM Nitzsch, 1819, sub *Amphist*.—See Nord., 1832a, 30, 50 (syn. *Holost. cuticola*); 1840, 561, 628.—Moul., 1850a, 15 (syn. of *Hemist.*).—[Not *Cryptostoma* Blainv., 1818, mollusk; *Cryptostoma* Latr., 1825, coleopteron; *Cryptostomus* Blainv., 1818, mollusk.]
- CUCULANUS Mueller, 1777.—See *Nematoda*.
- conoides* Bloch, 1782a, 35, pl. 10, figs. 5-7 (*Cuculanus*) (t. h. *Anas boschas dom.*; Europe).—Dics., 1850a, 383 (syn. of *Dist. echinatum*).—Herbst, 1787a, 42.—Looss, 1899b, 680.—Mueller, 1788b, 18.—Rail., 1886, 297 (to *Dist.*).—Rud., 1809a, 418, 420, 432.
- CYATHOCOTYLE Mueh., 1896, v. 20, 590 (m. *prussica*) (*Holostomidae*; 1897, v. 1, in 243-279, pl. 4; 1897, in 127-128; 1897, in 478-479.—Odhn., 1902, 19.—Pratt, 1902a, 889, 908 (key).
- fraterna* Odhn., 1902, 19-21 (in *Harelda glacialis*).
- prussica* Mueh., 1896, 590; 1896, 270-278, figs. 7, 15-17 (in *Anas glacialis*); 1898, 4, 16, 80.—Braun, 1901, 259; 1902b, 154.—Odhn., 1902, 19, 20.
- CYATHOCOTYLINÆ Mueh., 1898b, 20, subf. of *Holostomidae*, contains *Cyathocotyle*.—Pratt, 1902a, 889 (includes *Cyathocotyle*).



- CYCLATELLA** Ben. & Hesse, 1863; 1864a, 65, 66, 81-83 (m. *annelidicola*) (*Tristomidæ*).—Ben., 1869a, 640, is a bryozoon, see *Loxosoma*.—Braun, 1890a, 518 (= *Loxosoma*).—Mont., 1888a, 86.—Tasch., 1879, 56.
- annelidicola* Mont., 1888a, 88, for *annelidicola*.
- annelidicola* Ben. & Hesse, 1863; 1864a, 82-83, pl. 7, figs. 12-13 (on ? *Clymene*).—Mont., 1888a, 88 (*annelidicola*).—Prouho, 1891, 91-116 (to *Loxosoma*).—Sons., 1895, 119.
- CYCLIDIUM** Mueller, 1786.—Nitzsch, 1827, 69, contains *Cerc. cyclidium* [type by absolute tautonymy], *C. discus*.
- CYCLOBOTHRIUM** Cerf., 1895m, 141, 142, 144-145 (m. *sessilis*); 1896d, 548, 550-551.—Mont., 1903, 336 (subf. *Diclidophorinæ*).—St.-Remy, 1898, 552.—*Zool. Anz.*, 1895, 327.
- sessilis* (Goto, 1894) Cerf., 1895m, 141, 142, 145 (in *Chærops japonicus*; Japan); 1896, 548, 551.—St.-Remy, 1898, 554 (= *Diclidophora sessilis*).
- sessile* (Goto, 1894), *Zool. Anz.*, 1895, 327.
- CYCLOCIRRA** Mueller, 1841, 147 (apparently m. *thompsonii*).  
*thompsonii* Mueller, 1841, 147, based on Thompson, epizoon on *Comatula*.
- CYCLOCÆLEUM** Fuhrmann, 1904, 61, misprint for *Cyclocœlum*.
- CYCLOCCELINA** Cohn, 1904, 232, misprint for *Cyclocœlina*.
- CYCLOCCELINÆ** Cohn, 1904, 231, 232 (contains *Typhlocœlum*=*Typhlocœlum*).—Stoss., 1902, 2, 3, 4, 7, 8, 9, 11, 12, 31, 34, 35.
- CYCLOCÆLIUM** Fuhrmann, 1904, 59, for *Cyclocœlum*.
- mutabile* (Zed., 1800) Fuhrmann, 1904, 59, 61, to (*Cyclocœlum*).
- CYCLOCÆLUM** Brand., 1892b, 507 (for *Monost. mutabile*, *M. flavum*, *M. arcuatum*, *M. tringæ*, *M. ellipticum*) [tld. *mutabile*].—Braun, 1901e, 346.—Cohn, 1904, 229, 231, 232 (in syn. of *Monost. flavum*).—Looss, 1899b, 659-661, 662; 1901b, 192 (type, *Monost. mutabile*); 1902m, 701, 702, 719, 720, 721, 729, 730, 780.—Luehe, 1901, 174 (type, *Monost. mutabile*); 1901, 481.—Pratt, 1902, 890, 909 (key).—Stoss., 1902, 5, 6, 7, 8, 12.
- 1902: *Cyclocœlum* Stoss., 1902, 40, misprint.
- 1904: *Cyclocœlum* Fuhrmann, 1904, 61, misprint.
- 1904: *Cyclocœlium* Fuhrmann, 1904, 59, misprint.
- adolphi* Stoss., 1902, 19-20, pl. 4, figs. 13, 14 (in *Grus cinerea*, *Ardea cinerea*; Siberia).
- arcuatum* (Brand., 1892) [Brand., 1892b, 507].—Stoss., 1902, 20-22, pl. 4, figs. 15, 16 (syn. *Monost. mutabile* Sieb.) (*Anser dom.*, *Bucephala clangula*; Berlin).
- brasilianum* Stoss., 1902, 16-17, pl. 2, figs. 7, 8 (in *Scolopax flaviceps*; Brazil).
- erile* Stoss., 1902, 17-18, pl. 3, figs. 9, 10 (in *Totanus ochropus*).
- mutabile* (Zed., 1800) [Brand., 1892b, 507].—Stoss., 1902, 12, 13-14, pl. 1, figs. 1, 2 (syns. *Monost. mutabile* Zed., 1800; *M. microstomum* Crep., *Cephalogoni-mus ovatus* Stoss.) (type of genus) (in *Gallinula chloropus*, *Fulica atra*).—[Braun, 1901e, 346].—Cohn, 1904, 231, 232.—[Luehe, 1901 p, 174.]
- ovopunctatum* Stoss., 1902, 15-16, pl. 2, figs. 5, 6 (syn. *Monost. mutabile* Ben.) (in *Numenius arquata*).
- problematicum* Stoss., 1902, 14-15, pl. 1, figs. 3, 4, pl. 7, fig. 25, pl. 8, fig. 29 (syn. *Cyclocœlum* sp. Looss, 1899b, 660, in *Totanus calidris*; Egypt) (in *Totanus calidris*, *T. glottis*).
- robustum* Stoss., 1902, 18, pl. 3, figs. 11, 12 (syn. *Monost. flavum* Par., v. 11 (258) (in *Fuligula cristata*).
- CYCLOCOTYLA** Otto, 1823, 300-302 (m. *bellones*).—Baer, 1826a, 126.—Ben. & Hesse, 1864, 47.—Blainv., 1828a, 570.—Braun, 1889a, 326.—Cobbold, 1877, 238.—Dies., 1840, 234; 1850a, 419 (syn. of *Cyclocotyle*).—Zœringer, 1829.
- 1823: *Octostoma* Otto, 1823, 302 (preoccupied), same as *Cyclocotyla*.
- 1823: *Cyclostoma* Otto, 1823, 302 (preoccupied), same as *Cyclocotyla*.
- bellones* Otto, 1823, 300, pl. 41, fig. 2, a-c (on Hornhecht=*Belone acus*; Naples).—Baer, —, 687, pl. 32, fig. 9.—Blainv., 1828a, 570.—Bl., 1847, 336.—Braun, 1889a, 326.—Dies., 1850a, 419, to *Cyclocotyle*.—Nord., 1832a, 78, 80; 1840, 600 (to *Octobothrium*).

## CYCLOCOTYLA—Continued.

*belones* Crep., 1839, 291, for *bellones*.—Kroyer, 1852–53a, 1221 (in *Belone rostrata* Fab.).

*lanceolata* Zæring. (1829). 21.—Braun, 1890a, 553 (on *Salmo fario*) (to *Octobothrium*).—Crep., 1839, 291.

CYCLOCOTYLE for *Cyclocotyla*.—Burm., 1837, 530.—Braun, 1890a, 515–518 (belongs to *Octobothrium* Leuck.).—Crep., 1838, 84.—Dies., 1850a, 289, 419 (of Otto, syn. of *Octobothrium* Nord.), 423 (of Schultze, syn. of *Discocotyle*); 1858e, 314, 372 (of Otto).—Gold., 1855a, 19.—Mont., 1888a, 83.—Tasch., 1879, 233, 239.—See *Cyclocotyla*.

*bellones* (Otto, 1823) Dies., 1850a, 419 (on *Belone acus*) (syns. *Cyclocotyla bellones*, *Octobothrium bellones*); 1858e, 372.—Tasch., 1879, 245 (to *Octobothrium*).

*lanceolata* Schulze in Zæring. (1829).—Crep., 1839a, 291, note 25.—Dies., 1850a, 424 (syn. of *Discocotyle sagittata*).—Tasch., 1879, 244 (syn. of *Octobothrium sagittatum* Leuck.).

CYCLOGENA Hemp. & Ehrenb., 1828a (m. *Cerc. lupus*; Berlin), fam. Hydatinorum.

CYCLOSTOMA Otto, 1823, 302 (as syn. of *Cyclocotyla*) [not *Cyclostoma* Lam., 1801, mollusk; *Cyclostoma* Nilss., 1832, fish; *Cyclostoma* for *Ciclostoma* Scacchi, 1836, mollusk].

CYMATOCARPUS Looss, 1899b, Dec., 550, 551, 593–594 (tod. *undulatus*), 607, 611, 633; *τὸ κύμα*=wave, *ὁ καρπός*=fruit.—Braun, 1901b, 22.—Odhn., 1902, 38, 41, 42.—Pratt, 1902a, 889, 903 (key).—Staff., 1903, 828.

*solaris* (Braun, 1899) Braun, 1901b, 22, 23, fig. 8, or Looss, 19011, Oct. 30, 563; 1902m, 508.

*undulatus* Looss, 1899b, 594, 711–712, figs. 32–34 (in *Thalassochelys undulatus*; Abukir, July): 19011, 563; 1902m, 414, 508.—Braun, 1901a, 22, 23.—Heymann, 1905, 84.—Luehe, 1900, 561.

CYSTAGORA Staff., 1905, Apr. 11, 683 (m. *tetracystis*); *κύστις*, bladder; *ἀγορά*, assembly.

*tetracystis* (Gastaldi, 1854) Staff., 1905, 683 (in *Rana catesbiana*, *R. virescens*; Canada).

DACTYCOTYLE Ben. & Hesse, 1863; 1864a, 96, 110 (*pollachii* [type by present designation], luscæ); *δάκτυλος*, finger.—E. Ben., 1868a, 4–7; 1868, 22–36, 1 pl.—Braun, 1890a, 446.—Mont., 1888a, 8, 11, 16, 52, 59, 66, 86, 89, 99; 1903, Dec., 336 (syn. *Pterocotyle*) (in subf. *Octocotylinæ*; f. *Octocotylidæ*).—Par., 1894, 135 (syn. of *Dactylocotyle* Par. & Perugia).—Par. & Perugia, 1890, 4, 7; 1890, 10.—Tasch., 1879, 59, 73; 1879, 240.

1873: *Dactylocotyle* Marshall, 1873, 430.

1889: *Dactylocotyle* Braun, 1889a, 364, misprint.

*lusca* Ben., 1868a, 7 (in *Morrhua lusca*) (for luscæ).

*lusca* Ben. & Hesse, 1864, 111–112 (in *Morrhua lusca*).—Ben., 1868, 36.—Braun, 1889a, 364 (on M. l.); 1890a, 535, to *Octobothrium* (*Dactylocotyle*).—Tasch., 1879, 247, to *Octobothrium*.

*phycidis* (Par. & Perugia, 1889), Par. & Perugia, 1890, 4; 1890, 7.—Braun, 1890a, 535, to *Octobothrium* (*Dactylocotyle*).

*pollachi* Mont., 1888, 66 (for *pollachii*).

*pollachii* Ben. & Hesse, 1863; 1864, 110–111, pl. 11, figs. 23–30 (in *Merlangus pollachius*).—Ben., 1868a, 7; 1868, 36, 1 pl.—Braun, 1889a, 364 (on *Mer. pol.*); 1890a, 535, to *Octobothrium* (*Dactylocotyle*).—Mont., 1888, 66 (*pollachi*).—Par. & Perugia, 1890, 4.—Scott, 1901, —, pl. 8; 1905, 117.—Tasch., 1879, 242, 246 (to *Octobothrium*).—Can best be taken as type of genus.

DACTYLOCEPHALA Mont., 1899, 115, 116, 117, 120, 121 (type *Temnocephala madagascariensis*).—Pratt, 1900, 646, 647 (*Temnocephalidæ*, *Temnocephalinæ*).

*madagascariensis* (Vayssière, 1892) Mont., 1899, 121 (in *Astacoides madagascariensis*; Madagascar).

DACTYLOCOTYLE Marschall, 1873, 430, 795, and 796, apparently for *Dactylocotyle*. Ben. & Hesse, 1863.—Braun, 1890a, 469, 471, 477, 484, 490, 498, 516, 517, 522, 535 (syn. or subg. of *Octobothrium*), 546.—Cerf., 1895h, 913-946, pls. 1-2, figs. 1-20; 1895i, 831-834; 1895k, 634; 1895m, 125, 126, 137, 138, 139; 1896c, 232-233; 1896, 510-535, 536, 545, 546, 547; 1898a, 301, 302, 305-315, 322-323; 1899a, 345, 370, 383, 411.—Lint., 1905, 333, 352, fig. 151 (sp. on *Brevortia tyrannus*).—Par., 1894, 135 (syn. *Dactylocotyle* Ben. & Hesse).—Pratt, 1900a, 646 (*Polystomidae*, *Octocotylinæ*) 652 (on gills of fish, esp. *Gadidae*), 656, 660, fig. 35.—St.-Remy, 1898, 523, 545, 548.—Scott, 1901, 150.—Scudder, 1884 (1882), part 2, 91 [gives date as "1883 [1862]" and quotes Marschall, which is 1873].—Stoss., 1898, 12.

*carbonarii* Cerf., 1895h, 929, 931, pl. 1, figs. 1, 5, 9, 10, 11, pl. 2, figs. 12-20.

*denticulatum* (Olss., 1876) Cerf., 1895h, 922, 923-938, 941, 943, type of genus<sup>a</sup> (in *Gadus carbonarius*): 1896, 517, 518-530, 532-533, 534, pl. 23, figs. 1, 5, 9, 10, 11, pl. 24, figs. 12-20; 1898a, 301, 305<sup>a</sup>, 307, 312, 313, 317, 318, 323, 325, pl. 12, figs. 6-9 (in *Gadus carbonarius* (Linn.)).—Lint., 1901, 408, 414 (in *Pollachius virens*), 474.—Par., 1899, 4.—Pratt, 1900a, 656, fig. 35, 657, 660 (key).—St.-Remy, 1898, 548-549, 550 (in *Gadus virens*, *G. carbonarius*).—Staff., 1904, May 3, 482 (gills of *Pollachius virens* [virens] L.; Canada).

*lusca* (Ben. & Hesse, 1863) Tasch., 1879, 247 (to *Octobothrium*).—Braun, 1890a, 535 (as *Octobothrium* (*Dactylocotyle*) *lusca*, on *Morrhua lusca*).—Cerf., 1895h, 922; 1896, 517; 1898a, 302, 307, 312, 315-322, 326, pl. 12, figs. 1-5 (in *Morrhua lusca*); 1899a, 372.—Par., 1899, 4 (to *Octobothrium*) (on *Gadus minutus*; Portoferraio).—St.-Remy, 1898, 551.

*merlangi* (Kuhn, 1830) Cerf., 1895h, 922, 939, 942-943, pl. 1, figs. 4, 8 (in *Gadus merlangus*); 1896, 517, 531, 534, pl. 23, figs. 4, 8; 1898a, 301, 304, 310, 312, 324-325, pl. 12, figs. 12, 13 (in *Gadus merlangus* L.); 1899a, 370.—St.-Remy, 1898, 550, 556.

*minor* St.-Remy, 1898, 551=*Octobothrium minus* Olss., 1876.

*molva* Cerf., 1895h, [944], pl. 1, figs. 3, 7; 1896, pl. 23, figs. 3, 7.

*morrhua* (Ben. & Hesse, 1863) St.-Remy, 1898, 551 (= *Pterocotyle morrhua*).

*palmatum* (Leuck., 1830) Cerf., 1895h, 922, 939-940, 943-944 (in *Gadus molva*); 1896, 517, 531, 534-535; 1898a, 302, 312, 325-326 (in *G. mol. L.*); 1899a, 370.—St.-Remy, 1898, 550-551 (syn. *Octodactylus inhærens* Dalyell).—Scott, 1897, Apr., 127 (in the Moray Firth).

*phycidis* Par. & Perugia, 1889, 743-744, fig. 5 (in *Phycis blennoides*; Genova); 1890, 743-744, fig. 5.—Braun, 1890a, 535 to (*Octobothrium* (*Dactylocotyle*) on *Phycis blennoides* [blennoides]).—Cerf., 1895h, 922; 1896, 517; 1898a, 302.—Par., 1894, 135-136 (in *Phycis blennoides*; Genova).—St.-Remy, 1898, 551.—Staff., 1904, May 3, 482 (gills of *Phycis chuss* Walb.; Canada).

*pollachii* (Ben. & Hesse, 1863) Braun, 1883a, 50; 1890a, 472, 476, 492, 498, 535, to *Octobothrium* (*Dactylocotyle*), on *Merlangus pollachius*.—Cerf., 1895h, 914-915, 921, 922, 938, 941-942, pl. 1, figs. 2, 6 (in *Gadus pollachius*); 1896, 211, 516, 517, 530, 533-534, pl. 23, figs. 2, 6; 1898a, 301, 311, 312, 317, 318, 319, 321, 324 (in *G. p.*).—St.-Remy, 1898, 549-550, 551.—Scott, 1901, 150, pl. 8, figs. 28, 29; 1901, 343 (in *G. p.*; Irish Sea).

*squillarum* (Par. & Perugia, 1889) Stoss., 1898, 12-13 (on *Bopyrus squillarum*; Trieste).

*taschenbergi* Par., 1894, 704 (for *taschenbergii*).

*taschenbergii* (Par. & Perugia, 1889) Par., 1894, 136, to (*Choricotyle*) (in *Sargus rondeletii*; Genova).—Cerf., 1895h, 922, 923; 1896, 517.

DACTYLODA Mont., 1905, 25, Mai, 403 (order for *Tennocephalidae*).

DACTYLODISCUS Olss., 1893, 7-8 (m. borealis).—Mont., 1903, 336 (syn. of *Tetraonchus*); 1905, 79-80.—Pratt, 1900a, 646, 554 (key), 657, fig. 48.—St.-Remy, 1898, 524, 564, 567.

*borealis* Olss., 1893, 7-8, pl. 1, figs. 7-10 (on *Thymallus vulgaris*, in lacubus Jemtlandie Sällsjön, Näliden, Ockesjön et in flumine ad Mörsil; *Coregonus lavaretus*, in lacu Ockesjön).—Mont., 1905, 79.—St.-Remy, 1898, 568, fig. 6 (in *Coregonus lavaretus*).—Pratt, 1900a, 657, fig. 48.

<sup>a</sup> "Dans la description, le *Dactylocotyle denticulatum* avait été pris comme type, parce que c'est dans cette forme que les organes de fixation, caractéristiques du genre, présentaient la plus grande complication."—Cerf., 1898, p. 305.

*It is impossible to take this species as type.* See International Code, Art. 30.

- DACTYLOGYRUS** Dies., 1850a, 290, 433, 650, 651-652 (m. *auriculatus*); 1858e, 374, 375; 1859c, 440.—Ben., 1858a, 1861a, 63.—Ben. & Hesse, 1864, 121.—Brand., 1894a, 309.—Braun, 1890a, 412, 413, 417, 426, 434, 438, 444, 445, 452, 458, 465, 468, 478, 479, 486, 497, 499, 503, 512, 515, 517, 523, 542, 543; 1893a, 890.—Carus, 1863, 478.—Cobbold, 1879, 41, 42.—Fraip., 1880c, 418.—Gamb., 1896a, 73.—Goldb., 1855a, 20.—Goto, 1891a, 161, 166, 183, 185; 1893a, 798, 801, fig. 3.—Haswell, 1892b, 150; 1893c, 114.—Hoyle, 1890, 539 (about 20 species, on fishes).—Jackson, 1888, 654.—Kath., 1894a, 128, 133, 144, 155, 156, 157.—Leuck., 1886d, 45, 48.—Maclaren, 1904b, 574, 598, 599, 600.—Mont., 1888a, 10, 14, 40, 84, 86, 101, 107; 1889, 114; 1891, 109, 111; 1892, Oct. 7, 186, 213 (gen. of Gyrodactylinae); 1903, 336 (of subf. Gyrodactylinae).—Olss., 1893, 7.—Pratt, 1900a, 646, 654 (key), 657, fig. 44.—St.-Remy, 1898, 524, 566.—Stoss., 1898, 18.—Tasch., 1879, 69; 1879, 260 (syn. of Gyrodactylus Nord.), 261, 263 (of Wagener, syn. of Tetraonchus Dies.), 265 (of Wagener, syn. of Calceost. Ben.).—Wagener, 1857, 28, 29, 50, 54-55, 57-76.
- aquans* Wagener, 1857, 99, pl. 15, fig. 14 (in *Labrax lupus*); —, 84.—Ben. & Hesse, 1864, 121, 122 (to *Diplectanum*).—Dies., 1858e, 381 (to *Diplectanum*).—Tasch., 1879, 264 (to *Diplectanum*).
- alatus* Linst., 1878, 227, fig. 10 (on *Blicca bjerkna*; Europe); 1889a, 91 (in *Bl. bj.*, *Alburnus lucidus*).—Braun, 1890a, 544, 549, 550.
- amphibothrium* Wagener, 1857, 57, 58, 60, 66, 70, pl. 11, figs. 3, 4, pl. 12, figs. 1-4, pl. 15, fig. 11 (in *Acerrina cernua*).—Braun, 1890a, 544, 549, 550.—Dies., 1858e, 377.—Linst., 1873, 99; 1878, 229-230, fig. 15.—Tasch., 1879, 262 (in *Acerina cernua*).
- anchoratus* (Duj., 1845) Wagener, 1857, 49, 52, 55, 62, 99, pl. 15, fig. 8.—Dies., 1858e, 376.—Kath., 1894a, 156.—Reported for *Carassius auratus*, *Cyprinus carpio*.
- auriculatus* (Nord., 1832) Dies., 1850a, 433, 651-652; 1858e, 375-376; 1859c, 440.—Ben., 1858a, 1861a, 66 (to *Gyrodactylus*).—Braun, 1890a, 419, 544, 549, 550, 551.—Kath., 1894a, 156.—Kroyer, 1852-53a, 1223, 1225, 1226 (in *Abramis brama* L.; *Phoxinus aphyia* L.).—Par. & Perugia, 1890, 9.—Pratt, 1900a, 657, fig. 44.—Tasch., 1879, 261 (syns. *Gyrodactylus auric.* Nord.; *G. anchoratus* Duj.) (in *Abramis brama*, *Cyprinus carpio*, *Phoxinus laevis*).—Wagener, 1857, 76.
- benedeni* St.-Remy, 1898, 566, 567 for *Dactylogyrus vanbenedeni* Par. & Perugia.
- calceostoma* Wagener, 1857, 99 (in *Sciaena aquila*).—Dies., 1858e, 379 (in *Sc. aq.*); 1859c, 441 (syn. of *Calceost. elegans* Ben., type of *Calceostomum*).—Tasch., 1879, 265 (syn. of *Calceost. elegans* Ben.) (of Ben.).
- cochlea* (Wedl, 1857) Braun, 1890a, 408, 417.
- cornu* Linst., 1878, 228-229, fig. 13 (on *Abramis vimba*).—Braun, 1890a, 544, 549, 550 (on *Ab. v.*; Middle Europe).
- crassiusculus* (Wedl, 1857) Braun, 1890a, 417, 435.
- cruciatu* (Wedl, 1857) Braun, 1890a, 417.
- crucifer* Wagener, 1857, 55, 60, 63, 73, pl. 14, fig. 3 (in *Cyprinus erythrophthalmus*).—Braun, 1890a, 544, 549, 551.—Dies., 1858e, 377-378.—Tasch., 1879, 262 (in *Leuciscus erythrophthalmus*).
- diformis* Wagener, 1857, 63, pl. 15, fig. 6 (in *Cyprinus erythrophthalmus*).—Braun, 1890a, 544, 549, 551.—Dies., 1858e, 378 (in *Leuciscus erythrophthalmus*).—Tasch., 1879, 262 (in *L. ery.*).—Also reported for *Scardinius erythrophthalmus*.
- dujardinianus* (Dies., 1850) Dies., 1858e, 376 (in *Cyprinus carpio*, *Leuciscus rutilus*); 1859c, 440 (syn. *Gyrodactylus auriculatus* Ben.).—Braun, 1890a, 544, 549, 550, 551.—Kath., 1894a, 156.—Linst., 1877, 182-183.—Olss., 1893, 7.—St.-Remy, 1898, 566-567.—Tasch., 1879, 261 (syn. *Gyrodac. auric.* Nord. of Duj., 1845a) (in *Cypr. carp.*, *Leuc. rut.*, *Abramis brama*).—Also reported for *Cypr. gibelio*, *Leuc. idus*, *L. prasinus*.
- echeneis* Wagener, 1857, 99, pl. 15, fig. 13 (in *Chrysophrys aurata*).—Braun, 1890a, 544, 549 (Genua), 550.—Dies., 1858e, 379 (in *Chrys. aur.*).—Par. & Perugia, 1889, 746 (in *Chrys. aur.* Wagener); 1890, 746.—Tasch., 1879, 263 (in *Chrys. aur.*).
- falcatus* (Wedl, 1857) Dies., 1858e, 377 (in *Cyprinus sp.*).—Braun, 1890a, 417, 544, 549.—Tasch., 1879, 261-262 (syn. *Gyrodactylus falcatus* Wedl).

## DACTYLOGYRUS—Continued.

- fallax* Wagener, 1857, 55, 70, pl. 11, figs. 1, 2, pl. 15, fig. 7 (in *Cyprinus erythrophthalmus*, *C. rutilus*).—Braun, 1890a, 544, 549, 551. Dies., 1858e, 376–377.—Tasch., 1879, 261 (in *Leuciscus rutilus*, *L. erythrophthalmus*).—Also reported for *Leuc. idus*, *L. prasinus*, *Scardinius erythrophthalmus*.
- forceps* Leuck. (1857), 26 (in *Chondrostoma nasus*); 1858a, 118 (in *Cyprinus nasus*, *C. dobula*).—Linst., 1878a, 254 (in *Squalius cephalus*), 257 (in *Chond. nasus*).—*gracilis* Wedl. 1861, 480, pl. 3, figs. 41–42 (on *Hydrocyon dentex*).—Braun, 1889a, 362.
- maior* Tasch., 1879, 263 (in *Gobio fluviatilis*) (for major).
- major* Wagener, 1857, 99, “pl. 15, fig. 9” (in *Gobius fluviatilis*).—Braun, 1890a, 544, 549, 550.—Dies., 1858e, 379 (in *Gobio fluviatilis*).—Tasch., 1879, 263 (maior) (in *Gobio fluviatilis*).
- malleus* Linst., 1877, 182, pl. 12, figs. 12–13 (in *Barbus fluviatilis*).—Braun, 1890a, 544, 549, 550.—Sramek, 1901, 95, 110, fig. 64 (in *Barb. fluv.*).
- megastoma* [also *megastomum*] Wagener, 1857, 57, 62, 67, 99, pl. 14, fig. 5, pl. 36A, fig. 2 (in *Cyprinus blicca*, *C. amarus*).—Braun, 1890a, 544, 549, 551.—Dies., 1858e, 378 (in *Rhodeus (Cyprinus) amarus*).—Tasch., 1879, 262 (in *Rhod. am.*).
- megastomum*, see *megastoma*.
- minor* Wagener, 1857, 60, 63, pl. 14, fig. 4 (in *Cyprinus alburnus*).—Braun, 1890a, 544, 549, 550.—Dies., 1858e, 378 (in *Aspius alburnus*).—Linst., 1878, 227–228, fig. 11.—Tasch., 1879, 262 (in *Aspius alburnus*).—Also reported for *Alburnus lucidus*, *Blicca björkna*.
- mollis* (Wedl. 1857) Dies., 1858e, 378–379 (in *Cyprinus carpio*).—Braun, 1890a, 544, 549, 550.—Linst., 1885, 252, pl. 15, fig. 29.—Mont. 1888, 90.—Tasch., 1879, 262 (syn. *Gyrodactylus mollis* Wedl) (in *Cyprinus carpio*).
- monenteron* Wagener, 1857, 52, 55, 56, 58, 61, 63, 64, 65, 66, 67, 69, 70, 71, 72, 73, 76, pl. 13, fig. 1, pl. 36A, fig. 3f (in *Esox lucius*).—Braun, 1890a, 424, 452, 486.—Dies., 1858e, 380 (to *Tetraonchus*).—Ols., 1893, 7.
- paradorus* (Crep., 1839a) Linst., 1878a, 210 (in *Lucioperca sandra*).
- pedatus* Wagener, 1857, 99, pl. 15, fig. 12, pl. 36A, fig. 3 (in *Julis*).—Ben. & Hesse, 1864, 121.—Dies., 1858e, 382 (to *Diplectanum*).—Tasch., 1879, 264 (to *Diplec.*).
- siluri* Wagener, 1857, see Braun, 1890a, 544, 549, 552 (in *Silurus glanis*; middle Europe).
- siluri glanidis* Wagener, 1857, see Dies., 1858e, 379 (in *Silurus glanis*).
- species Olsson (in *Coregonus lavaretus*).
- species Sramek, 1901, 95 (in *Blicca björkna* L.).
- species Sramek, 1901, 95 (in *Carassius vulgaris* L.).
- species Sramek, 1901, 95 (in *Idus melanotus* L.).
- species Sramek, 1901, 96 (in *Scardinius erythrophthalmus* Bonap.).
- sphyrna* Braun, 1890a, 544, 549, 550, for *sphyrna*.
- sphyrna* Linst., 1878, 229, fig. 14 (in *Abramis vimba*).—Braun, 1890a, 544 (*sphyrna*), 549 (middle Europe), 550.
- tenuis* (Wedl. 1857) Dies., 1858e, 379 (in *Perca fluviatilis*).—Braun, 1890a, 417, 544, 549, 551.—Tasch., 1879, 262–263 (syn. *Gyrodactylus tenuis* Wedl) (in *Perca fluviatilis*).
- trigonostoma* Wagener, 1857, 99, “pl. 15, fig. 10” (in *Cyprinus rutilus*).—Braun, 1890a, 544, 549, 551.—Dies., 1858e, 379 (in *Leuciscus rutilus*).—Tasch., 1879, 263 (in *Silurus glanis*).—Also reported for *Leuc. idus*, *L. prasinus*.
- tuba* Linst., 1878, 228, fig. 12 (in *Squalius leuciscus*).
- uncinatus* Wagener, 1857, pl. 13, fig. 2 (in *Perca fluviatilis*).
- unguiculatus* Wagener, 1857, 61, 62, 64, 65.—Dies., 1858e, 381 (to *Tetraonchus*).—Tasch., 1879, 263 (to *Tetraonchus*).
- van benedeni* St.-Remy, 1898, 567 (syn. of *Tetraonchus benedeni*), for *van benedenii*.
- van benedenii* Par. & Perugia, 1895, 2 (in *Mugil auratus*; Trieste, Dec.), see also *benedenii*.

DECACOTYLUS Mayer, 1841a, 24, *D. lanceolatus* alose.

*lanceolatus alose* Mayer, 1841a, 24, *Octobothrium lanceolatum* renamed.

DENDROCELI Burm.—Braun, 1890a, 515.—Mont., 1888a, 83.—Tasch., 1879, 233 (contained f. *Malacobothrii* for *Diplost.*, *Cerc.*, *Dist.*, *Amphist.*, *Holost.*,

## DENDROCELI.—Continued.

Polyst., Monost., Caryophyllaus, and f. Plectobothrii for Aspidogaster, Trist., Octobothrium, Diplozon, Hectocotyle, Cyclocotyle, Nitzschia, Axine).

DERMOCYSTIS Staff., 1905, Apr. 11, 682 (m. ctenolabri); *δέρυα*, skin; *κύστις*, bladder.

*ctenolabri* Staff., 1905, Apr. 11, 682 (gills and skin of *Ctenolabrus adspersus* Walb.; includes Linton, 1899, 281, 296, pl. 40, figs. 76-81).

DEROGENES Luehe, 1900w, 507-509 (m. ruber); 1901n, 395, 396, 476, 478-479, 480, 481, 484 (Hemiuridae).—Looss, 1901, 206; 1901, 438; 1901, 658; 1902, 839.—Odhn., 1905, 363, 364, 365, 366.—Pratt, 1902a, 889, 905 (key).—Stoss., 1902, 582.

*affinis* (Rud., 1819) Luehe, 1901n, 479 (in *Scorpaena cirrosa*).—Odhn., 1905, 364. *eurozelus* Nicoll, 1907, 72, 90-91, pl. 3, fig. 10 (in *Pleuronectes limanda*, *Hippoglossus vulgaris*).

*minor* Looss, 1901d, 437-439, fig. 5 (in *Iabrus merula*; Triest).—Johnstone, 1907, 191-192.—Luehe, 1901n, 479.—Odhn., 1905, 361, 364.

*plenus* Staff., 1904, May 3, 484 (in *Anarrhichas lupus*; Canada); 1905, Apr. 11, 682.

*ruber* Luehe, 1900, 507-509 (in gall bladder of *Trigla lineata*); 1901, 396, 479, 483.—Looss, 1901, 437, 438, 439.—Odhn., 1905, 362, 363, 364.

*urocotyle* (Par., 1899) Odhn., 1905, 364.

*varicus* (Mueller, 1784) Looss, 1901d, 438, 439.—Johnstone, 1907, 188-192, fig. 18 (in *G. merl.*; Cumberland).—Luehe, 1901, 479.—Nicoll, 1907, 68, 70, 71, 72, 90, 91 (in *Cottus bubalis*, *C. scorpius*, *Gadus merlangus*, *Hippoglossus vulgaris*, *Pleuronectes limanda*, *Rhombus levis*, *R. maximus*).—Odhn., 1905, 360-364, 365, pl. 4, figs. 6-7 (syns. *Fasc. varica* Mueller, *Dist. dimidiatum*).—Staff., 1904, May 3, 483 (in *Salmo salar*, *Gadus callarias*, *Melanogrammus aeglefinus*, *Pollachius virens*, *Clupea harengus*, *Osmerus mordax*, *Sebastes marinus*, *Anguilla anguilla*, *Cryptacanthodes maculatus*, *Acanthocottus scorpius*, *Hemitripterus americanus*, *Lophius piscatorius*, *Hippoglossus hippoglossus*, *Limanda ferruginea*, *Platysomathichthys hippoglossoides*, *Hippoglossoides platessoides*; Canada), 484; 1905, Apr. 11, 682 (abundant in copepods, *Acartia*, Aug.).

DEROPRISTIS Odhn., 1902, 154-156 (tot. hispida). Pratt, 1902a, 888, 896 (key).

*hispida* (Abildg., 1819) Odhn., 1902, 155, 156, 159. Staff., 1904, May 3, 492 (hispidus, int. *Acipenser rubicundus*), 493.

*inflata* (Mol., 1859) Odhn., 1902, 157-160, figs. 1-2 (in *Anguilla vulgaris*; Triest).—Staff., 1904, May 3, 485 (int. *A. anguilla*; Canada).

DEUTEROBARIDINE Looss, 1902m, 699.

DEUTEROBARIS Looss, 1900, Dec. 3, 602=Baris Looss, 1899 [not Germ., 1817] renamed, hence type protus; 1902, 546, 634, 635, 639, 646, 647, 648, 659, 660, 664, 669, 674, 675, 682, 684, 693-694, 695, 698, 699.—Pratt, 1902, 890, 909 (key).

*protus* (Brandes, 1891) Looss, 1902, 416, 633, 694, pl. 31, figs. 151-168 (in first, widened, portion of large intestine of *Chelone mydas*).

DIAPHOROCOTYLINAE Mont., 1903, 336 (f. Octocotylidae).

DICLIBOTHRIUM Leuck., 1836a, 764, see Dielybothrium.

DICLIDOPHORA Dies., 1850a, 289, 417-418 (longicollis and palmata), 425; 1858c, 315, 383-384.—Braun, 1890a, 518.—Burm., 1856a, 251.—Cerf., 1895h, 920; 1895m, 130, 134, 137, 139, 140, 141, 142-143; 1896, 516, 540, 542, 545, 546, 547, 548, 549-550.—Gamb., 1896a, 73.—Goldb., 1855a, 19.—Johnston, 1865a, 31.—Mont., 1903, 336 (syn. Choricotyle) (subf. Diclidophorinae).—Pratt, 1900a, 646, 652 (key), 656, 660, fig. 36.—St.-Remy, 1898, 523, 545, 551-552.—Tasch., 1879, 239.

*affinis* (Lint., 1898) Lint., 1901, 408, 414, 482 (in *Paralichthys dentatus*).—Pratt, 1900a, 656, fig. 36, 657, 660 (key).

*chrysophryi* St.-Remy, 1898, 555, for chrysophryi.

*chrysophryi* (Ben. & Hesse, 1863) ———, 1895.

*elongata* Goto, 1894a, 210-212 (in *Pagrus tumifrons*, sometimes on *Cymothoa*; Mogi and Hakodate, Japan).—Cerf., 1895m, 126, 142, 144 (in *Pag. tum.*; Japan); 1896, 536, 547, 548, 550; 1898a, 303.—St.-Remy, 1898, 553.

## DICLIDOPHORA—Continued.

- labracis* Cerf., 1895m, 126–142, 143, pl. 3, figs. 1–15 (in *Labrax lupus*; White Bank, N. Sea); 1896, 535–537, 539, 540, 548, 550, pl. 25; 1896, 230–232; 1898b, 338; 1899a, 371, 412.—Ben., 1895, 20–21.—Braun, 1896a, 1346.—St.-Remy, 1898, 554–555.
- longicollis* Dies., 1850a, 417 (*Octost. merlangi* Kuhn, 1830, renamed) (in *Merlangus communis*); 1858e, 384; 1859c, 443 (to *Octoplectanum*).—Ben., 1858a, 1861a, 44, 49 (syn. of *Octobothrium merlangi*.—Cerf., 1895h, 915 (syn. of *Octob. merl.*); 1895m, 139; 1896, 512, 547.—Tasch., 1879, 245 (syn. of *Octob. merl.* Kuhn).
- merlangi* (Kuhn, 1829) Kroyer, 1838–40a, 606 (in *Merlangus vulgaris* L.).
- palmata* (Leuck., 1830) Dies., 1850a, 417–418 (includes *Octobothrium digitatum* Rathke); 1858e, 384; 1859c, 443 (to *Octoplectanum*).—Cerf., 1895f, 20–21; 1895h, 917 (to *Octobothrium*); 1895m, 139; 1896, 513, 547.—Johnston, 1865a, 31.—Kroyer, 1838–40a, 608, 611 (in *Lota molva* L., *Hippoglossus maximus* Mind).—Tasch., 1879, 246 (to *Octobothrium*).
- seasilis* Goto, 1894a, 212–213 (in *Chærops japonicus*; Mitsugahama, Japan).—Cerf., 1895m, 126, 140 (in *Ch. jap.*); 1896, 536, 547.—St.-Remy, 1898, 553–554.
- smaris* (Ijima, 1894) Goto, 1894a, 207–210, fig. 1 (syn. *Octobothrium smarisi*); on *Smaris vulgaris*, on caudal segment of a *Cymothoa*; Gulf of Naples).—Cerf., 1895m, 126, 140, 142, 143–144 (in *Cymothoa* sp. in buccal cavity of *Smaris vulgaris*; Gulf of Naples); 1896, 536, 547, 548, 550; 1898a, 303 (in *Cymothoa* on *Sm. vul.*).—St.-Remy, 1898, 552–553, 556.
- sp. Lint., 1905, 333, 380 (in *Orthopristis chrysopterus*; Beaufort, N. C.).
- taschenbergi* Par. & Perugia, 1892, 95, pl. 2, fig. 4, pl. 3, figs. 13–14, teste St.-Remy, 1898, 555.
- tetrodonis* Goto, 1894a, 213–215, pl. 10, figs. 1–4 (in *Tetrodon* sp.; Hagi, Japan).—Cerf., 1895m, 126, 140 (in *Tetrodon* sp.); 1896, 536, 547.—St.-Remy, 1898, 554.
- DICLIDOPHORINÆ Cerf., 1895f, 20–21; 1895m, 132, 142; 1896, 535–552; 1898a, 303; 1899a, 345, 370.—Mont., 1903, 336 (f. *Octocotyliidæ*).—St.-Remy, 1898, 552.
- DICLYBOTHRIUM F. S. Leuck., 1835a, 88 (m. *armatum*); 1836a, 764 (*Diclibothrium*).—Ben. & Hesse, 1864, 84.—Braun, 1890a, 518.—Burm., 1856a, 251.—Crep., 1839, 292.—Dies., 1850a, 289, 421, 425; 1858e, 315, 383 (*armatum*); 1859c, 443.—Goldb., 1855a, 19.—Tasch., 1879, 254, 255 (syn. of *Diplobothrium* Leuck.).
- 1836: *Diclibothrium* Leuck., 1836a, 764.
- 1836: *Diklibothrium* Leuck., in Kollar, 1836, 81.
- 1842: *Diplobothrium* Leuck., 1842a, 18 (*armatum*).
- armatum* Leuck., 1835a, 88 (in *Acipenser rostratus*); 1836a, 764; 1836, 219.—Braun, 1889a, 332.—Crep., 1839, 292.—Dies., 1850a, 421 (includes *D. crassicaudatum* Leuck., *Hexacotyle elegans* Nord., *Diplobothrium armatum* Leuck., *Polyst. armatum* Duj.); 1858e, 383.—Staff., 1904, May 3, 488 (to *Diplobothrium*; on gills of *Acipenser rubicundus*).—Tasch., 1879, 254 (to *Diplobothrium*).
- crassicaudatum* Leuck., in Kollar, 1836, 81 (*Diklibothrium*) (in *Acipenser stellatus*).—Crep., 1839a, 292.—Dies., 1850a, 421 (syn. of *Diclib. armatum*).—Tasch., 1879, 254 (syn. of *Diplobothrium armatum* Leuck.).
- DICOTYLE—Stiles, 1898a, 59 (quoted from Sonsino; a larval trematode).
- DICOTYLIDÆ Mont., 1903, 336 (subf. *Dicotylinæ*, g. *Sphyrnura*).
- DICOTYLINÆ Mont., 1903, 336 (g. *Sphyrnura*).
- DICRANOCELA Dies., 1850a, 286, 288, 293 (as tribe: “*Tractus intestinalis bifurcatus*”), 408.—Braun, 1893a, 892.—Goldb., 1855a, 15, 17.—Mont. 1888a, 83; 1892, Oct. 7, 196.
- DICRANOCELI Burm., 1837, 528.—Braun, 1890a, 515.—Mont., 1888a, 83.—Tasch., 1879, 233.
- DICRANOCELLIA Dies., 1850a, 408 (subtribe I of *Polycotylea*, tribus III).
- DICRANOPHORUS Nitzsch, 1827, 68 (contains *Cerc. catellina*, *C. lupus*, *C. vermicularis*, *C. forcipata*? *C. catellus*).
- (DICROCELIUM) Stiles & Hass., 1894e, 413, misprint for (*Dicrocoelium*).
- DICROCELIINÆ Looss, 1899b, Dec., 635; 1902, 839.—Hollack, Johanne, 1902a, 867–869 (amphitypie); 1903a, 536; 1905, July, 53–54.—Odh., 1902, 40.—Pratt, 1902a, 889, 904 (key), includes *Dicrocoelium*, *Lyperosomum*, *Athesmia*, related genera *Eumegacetes*, *Anchitrema*.—Ward, 1903, 863.

- (**DICROCELIUM**) Duj., 1845a, 391–401 (fld. lanceolatum = lanceatum). subg. of *Dist.* See *Dicrocoelium*.
- albicollis* (Rud., 1819) Duj., 1845a, 387, 393 (as variety of *D. (D.) attenuatum*; in *Falco pennatus*). See *Dicrocoelium*.
- albidum* Braun, 1893e, 353.
- arrectum* (Duj., 1845) Stoss., 1895, 225–226, 236.
- ascidia* (Ben., 1873) Stoss., 1892, 21, 39, 40.
- assula* Duj., 1845a, 387, 398 (in *Coluber natrix*; Toulouse).
- atomon* (Rud., 1802) Stoss., 1886, 57.
- attenuatum* Duj., 1845a, 387, 392–393 (in *Turdus merula*; Rennes) [not *attenuatum* Rud., 1814]. See *Dicrocoelium*.
- bacillare* (Mol., 1859) Stoss., 1886, 58.—Looss, 1899b, 571 (as described by Stoss., would belong to *Creadiinae*, possibly to *Creadium*).
- boscii* (Cobbold, 1859) Stoss., 1895, 226.
- buski* (Lankester, 1857) Rail., 1893a, 363–364, fig. 243. See *Dicrocoelium*.
- calceolus* (Mol., 1858) Stoss., 1886, 63.
- chilostomum* (Mehlis, 1831) Stoss., 1892, 20–21, 39, 40.
- choledochum* (Linst., 1883) Stoss., 1892, 161.
- clathratum* (Deslongchamps, 1824) Duj., 1845a, 393–394 (as var. of *D. (D.) attenuatum*). See *Dicrocoelium*.
- clavigerum* (Rud., 1819) Stoss., 1889, 64–65.
- colomaticum* (Giard & Billet, 1892) Rail., 1893a, 360. See *Dicrocoelium*.
- commune* (Oss., 1867) Stoss., 1886, 58.
- complanatum* (Rud., 1814) Duj., 1845a, 399–400 (believes it identical with *D. (D.) hians*).
- complexum* Stiles & Hass., 1894e, June, 425–426, pl. 1, figs. 1–3 (in *Felis catus* dom.; U. S. A.), 1894.
- concarum* (Crep., 1825) Stoss., 1892, 158–159, 188, 189.
- conus* (Crep., 1825) Stoss., 1892, 24–25, 39, 40.—Stiles & Hass., 1896a, 156 (to *Opisthorchis*).
- crassicollis* (Rud., 1809) Stoss., 1889, 63–64.
- crassum* (Sieb., 1836) Stoss., 1892, 156–157, 192.
- cygnoides* (Zed., 1800) Duj., 1845a, 396–397.—Stoss., 1898, 31 (to *Pleorchis*).
- cylindraceum* (Zed., 1800) Duj., 1845a, 386, 395–396.—E. Bl., 1847, 295 (to *Brachylemus*).—Looss, 1899b, 600 (type of *Haplometra*).
- dendriticum* (Rud., 1819) —, 1896. See *Dicrocoelium*.
- endolobum* Duj., 1845a, 386, 397 (in “*Grenouilles vertes et rousses, et de la Salamandre*,” Rennes).—Looss, 1899b, 589 (type of *Opisthioglyphe*).
- ercolanii* (Mont., 1893) Stoss., 1895, 223–224, 234.—Looss, 1899b, 567 (probably identical with *Telorchis linstowii*).
- erinaceum* (Poir., 1886) Stoss., 1892, 22, 37.—Looss, 1899b, 570 (probably an *Astia*).
- eury stomum* (Linst., 1877) Stoss., 1892, 159–160, 189.
- felineum* (Rivolta, 1884) Rail., 1893a, 361. See *Dicrocoelium*.
- fasciatum* (Rud., 1819) Stoss., 1886, 59.—Barbagallo & Drago, 1903, 410 (in *Crenilabrus caeruleus*, Serranus scriba; Catania).—Looss, 1899b, 571 (as described by Stoss., this belongs to *Creadiinae*, possibly to *Creadium*).
- flexuosum* (Rud., 1809) Duj., 1845a, 386, 398–399.—Type of *Omphalometra* 1899.
- furcigerum* (Oss., 1868) Stoss., 1886, 58.
- fuscum* (Rud., 1819) —? —, date?
- fuscescens* (Rud., 1819) Stoss., 1886, 59.
- gelatinosum* (Rud., 1819) Stoss., 1895, 226–227, 236, 237.—Looss, 1899b, 567–568.
- globiporum* (Rud., 1802) Stoss., 1886, 59.
- gobii* (Stoss., 1883) Stoss., 1886, 58; 1892.
- heterostomum* (Rud., 1809) Duj., 1845a, 400 (thinks it identical with *hians*).—Braun, 1899, 1 (to *Dicrocoelium*); 1899, 487 (to *Clinost.*). See *Dicrocoelium*.
- hians* (Rud., 1809) Duj., 1845a, 399.—Looss, 1899b, 563 (type of *Cathemasia*).
- horridum* (Leidy, 1850) Stoss., 1895, 220, 234. See *Plagiorchis*.



## (DICROCELIIUM)—Continued.

- labracis* Duj., 1845a, 386, 398 (in *Labrax lupus*; Rennes).—Ben., 1870, 45 (to Echinost.). See *Dicrocoelium*.
- labri* (Stoss., 1886) Stoss., 1886, 60.
- lancea* (Dies., 1850) Stoss., 1892, 26–27, 37.
- lanceolatum* (Rud., 1803) Duj., 1845a, 386, 391–392 [not Schrank, 1790]. See *Dicrocoelium lanceatum*.
- lingua* (Crep., 1825) Stoss., 1892, 158, 190.—Looss, 1899b, 586 (type of *Tocotrema*).
- linstowi* (Stoss., 1890) Stoss., 1895, 224–225, 237.—Looss, 1899b, 566 (to *Telorchis*).
- longissimum* (Linst., 1883) Stoss., 1892, 161, 191.—Stiles & Hass., 1896c, 155 (to *Opisthorchis*).
- longissimum* (Poir., 1886) Stoss., 1892, 25–26, 37.
- lucipetum* (Rud., 1819) Duj., 1845a, 386, 400–401.—Looss, 1899b, 587 (to *Philophthalmus*).
- macrourum* (Rud., 1819) Baird, 1853a, 50.—Par., 1899 (to *Dicrocoelium*); 1902, 4 (in *Sturnus vulgaris*, *Turdus musicus*; Elba). See *Dicrocoelium*.
- mutabile* (Mol., 1895) Stoss., 1895, 224, 236. See *Dicrocoelium*.
- naia* (Rud., 1819) Duj., 1845a, 387, for *naja*.
- naja* (Rud., 1819) Duj., 1845a, 395.—Looss, 1899b, 604 (type of *Macrodera*).
- neglectum* (Linst., 1887) Stoss., 1889, 65.—Looss, 1899b, 617 (= *Pleurogenes claviger*).
- nigrovenosum* (Bellingham, 1844) Stoss., 1895, 222–223, 234.—Luche, 1899, 535 (thinks *D. nigrovenosum* belongs to *Lecithodendrium*).
- ovatum* (Rud., 1803) Duj., 1845a, 388, 394–395.—Stoss., 1892, 144 (to *Cephalogonimus*).—Type of *Prosthogonimus* 1899 and *Prymnopriion* 1899.
- pallasii* (Poir., 1885) Stoss., 1892, 27, 37.
- pallens* (Rud., 1819) Stoss., 1886, 59.
- pellucidum* (Linst., 1873) Stoss., 1892, 157, 192.—Looss, 1899b, 629 (to *Prymnopriion*).
- poirieri* Stoss., 1895, 227, 237.—Looss, 1899b (to *Telorchis*).
- pulchellum* (Rud., 1819) Barbagallo & Drago, 1903, 410 (in *Gobius jozeo*; Catania).
- rathouisi* (Poir., 1887) Stoss., 1892, 27–28, 40.
- reflexum* (Crep., 1825) Stoss., 1886, 57.
- retusum* (Duj., 1845) Stoss., 1886, 63.
- sauromates* (Poir., 1886) Stoss., 1895, 220–221, 235.
- scorpaenæ* (Rud., 1819) Stoss., 1886, 59.—Par., 1899, 5 (to *Dicrocoelium*). See *Dicrocoelium*.
- simplex* (Rud., 1809) Stoss., 1886, 58.
- singulare* (Mol., 1861) Stoss., 1892, 162, 191.—Looss, 1899b, 596 (type of *Stomylus*).
- spatula* Duj., 1845a, 386, 394 (in *Accentor modularis*; Rennes).
- spinosum* (Linst., 1880) Stoss., 1892, 162, 193.—Luche, 1899, 531 (perhaps syn. with *Dist. cirratum*).
- squamula* (Rud., 1819) Stoss., 1892, 20, 39.—Type of *Eurysoma*.
- verrucosum* (Mol., 1859) Stoss., 1900, 59. Homonym.
- vitellilobum* (Olss., 1876) Stoss., 1889, 67.—Looss, 1899b, 606–607.
- vierrini* (Poir., 1886) Stoss., 1892, 24, 39.—Stiles & Hass., 1896, 155 (to *Opisthorchis*).

**DICROCELIIUM** (Duj., 1845) E. Bl., 1847, 291 (td. *lanceatum*).—R. Bl., 1891, 609, 610; 1895, 730.—Braun, 1892a, 643; 1893a, 885, 909, 910; 1893, 353, 354; 1893f, 388; 1901a, 34; 1901, 562, 563, 565; 1901h, Nov. (n. sp. in *Zibethkatze*), 700, 701, 702; 1902, 17 June, 356; 1902b, 97, 100, 102; 1903, 166; 1906, 173–174.—Cohn, 1903, 37.—Darr, 1902, 698.—Gomy, 1897a, 374.—Hausmann, 1897b, 29.—Hollack, 1902a, 867–869.—Hoyle, 1890, 540.—Klein, 1905, 20; 1905, 78.—Leuck., 1863a, 586.—Looss, 1899b, 535, 610, 632–635, 648, 650, 721.—Luche, 1899, 530, 533; 1900, 490; 1901, 173.—Mont., 1888a, 92, 105; 1893, 150; 1896, 168.—Pratt, 1902a, 889, 904 (key).—Rail., 1900, 212; 1900, 239–242 (of birds); 1900, 514.—Rail. & Marotel, 1898, 33, 37, 38.—Sons., 1889, 276.—Stiles, 1898a, 22, 55; 1901, 193, 197.—Stiles & Hass., 1898a, 87 (*lanceatum* designated type), 97.—Stoss., 1892, 20; 1898, 41.—Ward, 1903, 871.

## DICROCELIUM—Continued.

- albicollis* (Rud., 1819) Braun, 1901, 562; 1902b, 99–101, fig. 58 (includes *macrourum* Stoss., 1892, *longicauda* p. p. Muehling, 1890), in *Aquila pennata*; Vienna.
- attenuatum* (Duj., 1845) Rail., 1900, 241 (in *Turdus merula*).
- buski* R. Bl., 1888a, 622, for *buskii*.—Stiles, 1904i, 41.—Ward, 1895, 328 (in *Homo*).
- buskii* (Lankester, 1857) Weinland, 1858, 87; 1859, 281.—Cobbold, 1866, 6; 1876, 303; 1879, 20.—Stiles, 1904i.
- clathratum* (Deslongchamps, 1824) Looss, 1899b, 634.—Braun, 1902b, 100, 101.—Rail., 1900, 239.
- celomaticum* (Giard & Billet, 1892) Rail., 1896, 160.—Gomy, 1897a, 374, 375.
- concinnum* Braun, 1901, 700–702, 1 fig. (in *Viverra zibetha*).—Hollack, 1902a, 869.
- deflectens* (Rud., 1819), 1901h, 702; Braun, [1901, 563]; 1902b, 101–102, fig. 59 (in *Thryothorus hypoxanthus*; Brazil).
- delectans* Braun, 1901g, 945–946 (in *Myiothera ruficeps*; Brazil); 1901h, 702; 1902b, 102–103, fig. 60.
- dendriticum* (Rud., 1819) Looss, 1899b, 634.—Braun, 1901h, 702.
- felineum* (Rivolta, 1884) Moniez, 1896, 136.—Type of *Opisthorchis*.
- heterophyes* (Sieb., 1852) Weinl., 1858, 86; 1859, 281.—R. Bl., 1888a, 625.—Cobbold, 1866, 6.—Ward, 1895, 328.—Type of *Heterophyes*.
- heterostomum* (Rud., 1809) Braun, 1899, 1; 1900h, 19, 30.
- hospes* Looss, 1907, Mar. 5, 478–479, fig. 1 (in cattle from Soudan, in Cairo, Egypt).
- illiciens* Braun, 1901g, 944–945 (in *Rhamphastus* sp., *Pipra rupricola*; Brazil); 1901h, 702; 1902b, 102, 103, 104, 105–106, fig. 6.
- labracis* (Duj., 1845) Par., 1899, 5; 1902, 4 (syn. *D. verrucosum* Mol.) (in *Labrax lupus*; Elba).
- lanceatum* Stiles & Haas., 1896c, 158 (*lanceolata* Rud., 1803, not Schrank, 1790, renamed); 1898a, 87, 97 (type).—R. Bl., 1900, 488; 1901b, 204, 207, 209, 210; 1901c, 581 (in sheep), 584, 586, 587.—Bossuat, 1902, 188, 189.—Braun, 1901h, 702; 1903, 166–168, figs. 115–117; 1906, 174–176, figs. 106–108 (in *Limax*, *Arion*, sheep, ox, goat, ass, horse, deer, hare rabbit, pig, man; Egypt, Siberia, Turkestan, North and South America).—Gomy, 1897a, 374.—Hollack, 1902a, 868.—Kamensky, 1902, 57–62 (in dogs).—Looss, 1899b, 633, 634, 635; 1905, 88 (rare in man); 1907, Feb. 1, 125, 126, 132, 134; 1907, Mar. 5, 479.—Rail., 1899, 345.—Rail. & Marotel, 1898, 33, 38.—Stiles, 1898a, 23, 55, 56, 137, 138, 139, 140, 141, 142, 143, figs. 36, 38; 1901, 193; 1902, 25, 28, 29, 33, 34; 1902, 204; 1903, 8, 84; 1904, Aug., 9, 12, 13, 29, 30, figs. 39–41.—Stoss., 1901, 97 (in *Lepus timidus*; Trieste).—Ward, 1903, 407; 1903, 864, 866, 869, 871 (description).
- lanceolatum* (Rud., 1803) Weinl., 1858, 86; 1859, 280.—R. Bl., 1888a, 602, 626; 1895, 734.—Braun, 1903, 166.—Engler, 1904, 186.—Galli-Valerio, 1898c, 7, 8; 1901c, 364 (mouton, cheval).—Kamensky, 1902a, 57–62 (in dog), 63–64.—Luehe, 1901, 172, 173; 1901, 487.—Stiles, 1898a, 55.
- lobatum* Rail., 1900, 241–242 (in *Accipiter nisus*).—Braun, 1901, 565; 1902b, 109, 110, 111 (to *Lyperosomum*).
- longicauda* (Rud., 1809) Looss, 1899, 634.—Braun, 1902b, 106, 107 (to *Lyperosomum*).—Rail., 1900, 240, 241.
- lubens* Braun, 1901g, 945 (in *Pipra rupricola*); 1901h, 702; 1902b, 102, 103, fig. 63 (*Pipra rupricola*).
- marroum* (Rud., 1819) Par., 1899, 4.
- mutabile* (Mol., 1859) Braun, 1901, 702.
- oculi humani* (Gescheidt, 1833) Weinland, 1858, 86; 1859, 281.—R. Bl., 1888a, 630.—Stiles, 1902s, 29, 34.—Ward, 1895, 328 (in *Homo*).
- olssoni* Rail., 1900, 239 (*Apus apus*) “Dist. *clathratum* [Deslongchamps] of Olss. et Mueh.,” renamed.—Braun, 1902b, 109.
- pancreaticum* (Rail., 1890) Rail., 1897, 371–377, 1 fig.—Braun, 1901h, 702.—Gomy, 1897a.—Looss, 1899b, 634; 1907, Feb. 1, 128, 132 (of Rail. & Marotel, 1898, syn. of *Eurytrema celomaticum*).—Stiles, 1898a, 23, 55, 56, 57, 140, fig. 40.
- panduriforme* Rail., 1900, 240–241 (in *Pica pica*).—Braun, 1902b, 109.

## DICROCÆLIUM—Continued.

*petiolatum* Rail., 1900, 241 (in *Garrulus glandarius*).—Braun, 1901, 946; 1901h, 702; 1902b, 98, 99, 109, fig. 57.

*plestostomum* (Linst., 1883) Looss, 1899b, 634.

*refertum* (Mueh., 1898) Looss, 1899b, 634.

*reficiens* Braun, 1901g, 945 (in *Falco nitidus*); 1901h, 702; 1902b, 98, 103, fig. 62.

*scorpææ* (Rud., 1819) Par., 1899, 5; 1902, 5 (in *Scorpæna scrofa*; Elba).

*sinense* (Cobbold, 1875) Moniez, 1896, 125.

*strigosum* Looss, 1899b, Dec., 634, 635, 727–728, fig. 47 (in *Merops apiaster* L. & Gm.; Marg).—Braun, 1902b, 109.

*voluptarium* Braun, 1901g, 945 (in *Falco* sp.); 1901h, 702; 1902b, 102, 103.

## DI'ROGASTER Looss, 1902h, 134 (tod. perpusillus) (subf. Haploporinæ).

*contractus* Looss, 1902h, 136, figs. 3–4 (in *Mugil chelo*).

*perpusillus* Looss, 1902h, 134, 135–136, figs. 1–2 (in *Mugil chelo*).

## DIDYMOCISTIS Ariola, 1902, 105, for Didymocystis.

## DIDYMOCYSTIS Ariola, 1902, 101–103 (tod. reniformis) fam. Didymozoonidæ.

*reniformis* Ariola, 1902, 101–103, 104, 107, figs. 1–3 (in *Thynnus vulgaris*; Naples) (includes Monost. bipartitum 2d form Wagener, 254, pl. 9, fig. 2, and Didymozoon thynni Tasch., 1879, 612).

*wedli* Ariola, 1902, 105–107, figs. 7–10 (in *Thynnus vulgaris*; Naples; Th. vul. and Th. tunnina from Gulf of Genoa) (includes Monost. bipartitum 3d form Wagener, pl. 9, figs. 5–8, and Didymozoon thynni partim Braun, Vermes IV, pl. 26, fig. 6d.).

DIDYMOSTOMA Ariola, 1902, 103–105 (evidently m. bipartitum), Didymozoonidæ.—This genus falls as syn. of *Wedlia* 1860.

*bipartitum* (Wedl, 1855) Ariola, 1902, 103–105, figs. 4–6 (includes Monost. bipartitum Wedl partim, Didymozoon thynni partim, Monost. micropterygis Richiardi) (in *Thynnus vulgaris*; Naples).

*micropterygis* (Richiardi, 1901) Ariola, 1902, 105. See also under syn. of bipartitum.

DIDYMOZOON Tasch., 1878, 716 (no sp. mentioned); 1879, 72; 1879, 605–617 (*Wedlia* renamed, hence type thynni = bipartitum), pl. 6, figs. 1–5; *διδυμοζων, ζῶον*.—Ariola, 1902, 25 July, 99–108, figs. 1–11; 1903, 14 Aug., 533; 1905, July, 61.—Braun, 1883, 42, 57; 1891d, 424; 1892a, 569, 574, 577, 660, 696, 698, 699, 700, 704, 707, 711, 727, 734; 1893a, 878, 879, 886, 890, 894, 895, 913, 918; 1895, 126, 136.—Hoyle, 1890, 539.—Jackson, 1888, 654.—Looss, 1892a, 81; 1899b, 542.—Maclaren, 1904b, 602, 612.—Moniez, 1891, 186, 187.—Mont., 1888a, 9, 11, 15, 18, 34, 52, 53, 57, 92, 93, 106; 1892, Oct. 7, 214 (g. of Didymozoonidæ); 1892, 689, 690, 693, 713, 716; 1893, 24, 27, 137, 149, 150.—Par. & Perugia, 1893, 2, 3.—Poche, 1907, 125.—Pratt, 1902a, 890, 908 (key).—Richiardi, 1902–3, 4–5 (n. sp.).—Schneidemuehl, 1896, 295.—Stoss., 1898, 62.

*auris* Tasch., 1879, 613, pl. 6, figs. 1, 3 (in *Auxis rochei*; Naples).—Braun, 1883, 41, 57; 1892a, 574; 1893a, 913.—Par., 1894, 169.—Par. & Perugia, 1890, 10; 1893, 2 (in *A. rochei*).

*benedenii* Mont., 1893, 137 (in *Orthogoriscus*).—Maclaren, 1904, 602.

*exoceti* Par. & Perugia, 1893, 1–4 (in *Exocetus volitans*; Genova) (syn. Monost. filum Wagener not Duj.).—Par., 1902, 7 (in *E. vol.*).

*filicolle* Mont., 1893, 150.

*lampridis* Lænnb., 1891, 73–75, pl. 2, fig. 9 (in *Lampris guttatus*; Kristiania Museum).—Braun, 1891d, 424; 1893a, 914.

*micropterygis* Richiardi, 1902, 4–5 (in *Micropteryx dumerilii* Cuv.).

*pelamydis* Tasch., 1879, 612, 614, 615, 616, pl. 6, figs. ii, v (in *Pelamys sarda*; Naples).—Braun, 1883a, 41; 1893a, 913.—Moniez, 1891, 186.—Par., 1894, 169; 1902, 7 (in *P. s.*).—Par. & Perugia, 1890, 10; 1893, 2 (in *Pelamys sarda*).

*pretiosus* Ariola, 1902, 107–108, fig. 11 (in *Thynnus vulgaris*).

*scombri* Tasch., 1879, 612, 615, 616, pl. 6, fig. iv (in *Scomber colias*; Naples).—Braun, 1892a, 734; 1893a, 913.—Mont., 1890, 427.—Par. & Perugia, 1890, 10; 1893, 2 (in *Scomber scomber*).—Stoss., 1890, 50; 1898, 63.

*serrani* Mont., 1889, 322–323, pl. 33, fig. 6 (in *Serranus fimbriatus* at Madeira and *S. gigas* at Naples).—Braun, 1893a, 914.—Par. & Perugia, 1893, 2 (in *Serranus gigas*).

*species* Par. & Perugia, 1890, 10.

## DIDYMOZOON—Continued.

*sphyræna* Tasch., 1879, 612, 614, 615 (in *Sphyræna vulgaris*; Naples).—Barbagallo & Drago, 1903, 411 (in *Sphyræna vulgaris*; Catania).—Brand., 1891d, 18.—Braun, 1893a, 913.—Maclaren, 1904b, 608.—Mont., 1888a, 7, 17; 1892, 716.—Par., 1894, 169; 1899, 7; 1902, 7 (in *S. vul.*).—Par. & Perugia, 1890, 10; 1893, 2 (in *Sphyræna vulgaris*).

*tanioides* Mont., 1888a, 93 (in *Orthagoriscus mola*); 1893, 137.—Maclaren, 1904b, 602.—Stoss., 1900, 8, figs. 10–11 (in *Or. mola*; Trieste).

*thynni* Tasch., 1879, 612, 613, 614, 615, 616 (syn. Monost. bipartitum Wedl [type of *Wedlia* 1860]) (in *Thynnus vulgaris*).—Ariola, 1902, 100, 101 (of Tasch. syn. of *Didymocystis reniformis* Ariola), 103 (of Braun's *Vermes*, figs. 6–7, syn. of *Didymostoma bipartitum*), 105 (of Braun's *Vermes*, pl. 26, fig. 6d, syn. of *Didymocystis wedli* Ariola).—Barbagallo & Drago, 1903, 411 (in *Thynnus vulgaris*; Tonnara di Sa. Panagia).—Braun, 1883, 57; 1892a, 660, 734; 1893a, 914.—Gamb., 1896a, 71.—Moniez, 1891, 186.—Par., 1894, 169.—Par. & Perugia, 1889, 746–747 (syn. Monost. bipartitum Wedl.) (in *Thynnus thunnina*); 1890, 746–747; 1890, 9–10; 1893, 2.—Stoss., 1898, 62–63.

**DIDYMOZOONIDÆ** Mont., 1888a, 17, 18, 23, 52, 93, 106; 1892, 7 Oct., 214 (f. of suborder *Malacocotylea*); 1892, 689; 1893, 12.—Ariola, 1902, 101.—Brand., 1892, 505.—Braun, 1893a, 887, 890, 895, 900, 913; 1895, 136.—Looss, 1899b, 541, 543, 659.—Luehe, 1901, 488.—Maclaren, 1904b, 603, 612.—Par. & Perugia, 1890, 9.—Poche, 1907, 125.—Pratt, 1902a, 890, 908 (key), includes *Didymozoon*, *Nematobothrium*.—Schneidemuehl, 1896, 295.—Stoss., 1898, 62.

**DIDYMOZOONTIDÆ** Gamb., 1896a, 73.

**DIGENA** Olsson, 1893, for *Digenæa*.

**DIGENEA** Ben., 1858, see Braun, 1883, 38, 58; 1890a, 473, 486; 1892a, 567, 574, 601, 775; 1893a, 888, 891, 895, 898; 1895, 136.—Carus, 1863, 478.—Gamb., 1896a, 73.—Hahn & Lefèvre, 1884, 804.—Hoyle, 1890, 539 (includes *Monostomidæ*, *Distomidæ*, *Gasterostomidæ*, *Holostomidæ*).—Kholodk., 1899a, 149.—Knoch, 1894a, 11.—Kofoid, 1899, 183.—Looss, 1899, 543.—Odhn., 1902, 42, 43; 1905, 293–295.—Pratt, 1900a, 645, 646.—Stiles, 1898a, 27.—Ward, 1903, 865.

1893; *Digena* Olss., 1893, for *Digenæa*.

**DIGENEA s. strict.** Leuck., see Looss, 1899b, 543.—Luehe, 1901, 488.

**DIHEMISTEPHANUS** Looss, 1901, 605–606, 628–629 (m. *lydia*).—Pratt, 1902a, 888, 894 (key).

*lydia* (Stoss., 1896) Looss, 1901, 605–606, 628–629.

**DIKLIBOTHRUM** Leuck. in Kollar, 1836, 81.—Nord., 1840, 600, for *Dielybothrium*. *crassicaudatum* Leuck. in Kollar, 1836, 81.—Nord., 1840, 600 (syn. of *Hexacotyle elegans*).

**DIONCHUS** Goto, 1899a, 286 (m. *agassizi*), 291; 1901, 351–352.—Mont., 1903, 336 (Anisocotylinae, subf.); 1905, 70.—Pratt, 1900a, 646, 650 (key), 655, 659, fig. 18.

*agassizi* Goto, 1899a, 286–291, pl. 21, figs. 19–24 (in *Remora brachyptera*; Newport, R. I.).—Pratt, 1900a, 655, 657, fig. 18, 659 (key).

*agassizii* Mont., 1905, 69, for *agassizi*.

**DIOSTOMUM** Duffek, 1903, 843 (misprint for *Distomum*).

**DIPHTEROSTOMINÆ** Stoss., 1904, 198.

**DIPHTEROSTOMUM** Stoss., 1904, 197–198 (tod. *brusinae* = *brusinae*).

1905: *Diphtherostomum* Staff., 1905, Apr. 11, 684.

*brusinae* (Stoss., 1889) Staff., 1905, Apr. 11, 684.

*brusinae* (Looss, 1901) Stoss., 1904, 197–198.

*luteum* (Ben., 1870) Stoss., 1904, 197 [name not available].—Staff., 1905, Apr. 11 (syn. *D. betencourti* Mont.).

**DIPHTEROSTOMUM** Staff., 1905, Apr. 11, 684, for *Diphtherostomum*.

**DIPLECTANINÆ** Mont., 1903, 336 (f. *Gyrodactylidæ*); 1905, 80.

**DIPLECTANUM** Dies., 1858e, 315, 381–382 (aequans [probably type], *pedatum*).—Ben. & Hesse, 1864, 121, 122.—Braun, 1883, 48; 1890a, 412, 416, 452, 465, 469, 478, 479, 512, 517, 523, 542, 546; 1893a, 890.—Gamb., 1896a, 73.—Hoyle, 1890, 539.—Maclaren, 1904b, 574, 582, 583, 584, 589, 590, 595, 596, 597, 598, 599, 600, 601.—Mont., 1888a, 10, 14, 16, 66, 84, 86, 102; 1891, 111; 1892, Oct. 7, 213 (g. of *Gyrodactylinae*); 1903, 336 (subf. *Diplectaninae*); 1905,

## DIPLECTANUM—Continued.

80.—Pratt, 1900a, 646, 654 (key), 657, fig. 45.—St.-Remy, 1898, 568.—Stoss., 1898, 18.—Tasch., 1879, 69; 1879, 264 (syn. *Dactylogyrus* Wagener).

*aquans* Sons., 1891, 263 (for *æquans*).

*aculeatum* Par. & Perugia, 1889, 745 (in *Corvina nigra*; Genova); 1890, 745; 1890, 4, 9.—Braun, 1890a, 417, 546, 549, 550.—Maclaren, 1904b, 576–577, 593, 601.—Par., 1894.

*æquans* (Wagener, 1857) Dies., 1858c, 381 (in *Labrax lupus*).—Ben. & Hesse, 1864, 121, 122–123, pl. 13, figs. 9–22 (in *Lab. lup.*).—Braun, 1890a, 408, 409, 417, 468, 479, 489, 514, 546, 549, 551; 1891d, 422.—Kerbert, 1881a, 572.—Maclaren, 1904b, 573, 574–602, pl. 20, figs. 1–12, pl. 21, figs. 13–16, 18, 20, 22, text figs. A. C. 1–5; 1904, 9 June, 443–444; 1905, 31 Jan., 20–21; 1905, June, 317; 1905, Dec., 703.—Mont., 1888a, 7, 8, 10, 13, 14.—Par. & Perugia, 1890, 4, 9, 11.—St.-Remy, 1898, 568.—Scott, 1905, 117, pl. 6, fig. 24 (in *Lab. lup.*).—Sons., 1890, 173–174 (in *Umbrina cirrosa*); 1891, 263 (*acquans*), 264 (in *Umb. cirr-rhosa*).—Stoss., 1885, 162; 1898, 18.—Tasch., 1879, 59; 1879, 264 (in *Lab. lup.*).

*echeueis* (Wagener, 1857) Par. & Perugia, 1889, 746 (in *Sargus rondeletii*; Genova); 1890, 746; 1890, 4, 9; 1895, 1.—Braun, 1890a, 417, 546, 549, 552.—Maclaren, 1904b, 576, 577–578, 601.—Par., 1894, 594.—Stoss., 1898, 18.—Also reported for *Chrysophrys aurata*.

*pedatum* (Wagener, 1857) Dies., 1858c, 382 (in *Julis* sp. ad branchias).—Braun, 1890a, 546, 549, 551.—Maclaren, 1904b, 574, 575, 601.—Par. & Perugia, 1890, 9.—Tasch., 1879, 264 (in *Julis* sp.).

*sciæna* Ben. & Hesse, 1863; 1864, 123–124, pl. 13, figs. 23–31 (in *Sciæna aquila*).—Braun, 1890a, 417, 546, 549, 552.—Maclaren, 1904b, 575, 601.—Mont., 1888a, 7, 4.—Pratt, 1900a, 657, fig. 45.—Sons., 1891, 263–264 (in *Sci. umbra*).—Tasch., 1879, 264 (in *Sci. aq.*).

*sciæna* Ben. & Hesse, 1864, 123, misprint.

DIPLOBOTHRINÆ Mont., 1903, 336 (f. *Hexacotylidæ*); 1905, 78.

DIPLOBOTHRUM Leuck., 1842, 13 *Diclibothrium* renamed, hence (type by inclusion *armatum*) [not *Diplobothrium* Beneden, 1889, cestode].—Braun, 1889a, 338 (= *Diclibothrium*); 1890a, 413, 415, 511, 516, 517, 518, 523, 538, 539, 546; 1893a, 890.—Dies., 1850a, 421 (syn. of *Diclibothrium*).—Hoyle, 1890, 539 (“one species from the gills of a sturgeon”).—Mont., 1888a, 8, 11, 13, 89, 100; 1892, Oct. 7, 213 (g. of *Polystominae*); 1903, 336 (subf. *Diplobothrinae*); 1905, 77, 78.—Pratt, 1900a, 646, 651 (key), 656, fig. 25.—Tasch., 1879, 69; 1879, 254 (syns. *Diclibothrium* Leuck., *Hexacotyle* Nord., *Polyst.* Duj.).

[*affine* Lænnberg, 1892, cestode.]

*armatum* (Leuck., 1835) Leuck., 1842, 13–18, pl. 1, figs. 6a–f.—Braun, 1890a, 414, 419, 539, 548, 550.—Dies., 1850a, 421 (to *Diclibothrium*).—Pratt, 1900a, 656, 657, fig. 25.—Staff., 1904, 3 May, 488 (on gills of *Accipenser rubicundus*; Canada).—Tasch., 1879, 254–255 (syns. *Diclibothrium crassicaudatum* Leuck., *D. armatum* Leuck., *Hexacotyle elegans* Nord., *Polyst. armatum* Duj.).—Reported also for *Accipenser stellatus*.

[*simile* Ben., 1889, cestode.]

DIPLOCOTYLE Dies., 1850a, 286, 301 (m. *mutabile*); syn. *Diplodiscus* [not *Diplocotyle* Krabbe, 1874, cestode]; 1855a, 378, 381, 393, 394; 1858d, 272.—Ariola, 1901, 412.—Burm., 1856a, 250.—Fil., 1854a, 6.—Goldb., 1855, 16.—Moul., 1856a, 121, 123.

[*cohærens* Linst., 1903, cestode.]

*mutabile* Dies., 1850a, 301 (in *Planorbis nitidus*; Ticini) (*Diplodiscus diesingi* Fil., renamed); 1855a, 394; 1858d, 241, 242, 272–273 (*mutabilis*) (syns. *Diplodiscus diesingii*, *Cerc. diplocotylea* Pag.) (larva of *Diplodiscus subclavatus*) (in *Planorbis marginatus*, *P. nitidus*, *P. vortex*; Heidelberg, Ticini, Moncalier).—Ben., 1858a, 1861a, 82 (syn. of *Amphist. subclavatus*).—Linst., 1873, 1 (larva of *Diplodiscus subclavatus* Dies.) (*mutabilis*).—Moul., 1856a, 107 (= *Diplodiscus diesingii*), 208 (syn. of *Cerc. amphistomi subclavati*).

*mutabilis* Dies., 1855a, 394 (for *mutabile*).

[*olrikii* Krabbe, 1874b, 22, cestode.]

[*rudolphi* (Mont., 1890) Mont., 1890, cestode.]

[*serrata* Linst., 1901, cestode.]

DIPLODISCINÆ Cohn, 1904, 242.

- DIPLDISCUS** Dies., 1836d, 237, 238, 253-255 [type *subclavatus*]; 1850a, 287, 301 (of Fil., syn. of *Diplocotyle*), 318-319 (syns. *Planaria*, *Fasc.*, *Dist.*, *Hirudo*, *Amphist.*); 1855a, 380, 384, 393 (cf. *Diplocotyle*); 1858c, 312, 359; 1859c, 435-436 (mentions only *subclavatus*, but reference is not necessarily designation of type).—Brand., 1888a, 12.—Braun, 1892a, 613, 650, 663, 664, 665, 698, 712, 715, 814; 1893a, 817, 820, 823, 827, 872, 884, 886, 890, 894, 895, 904, 906, 918; 1895, 136.—Cobbold, 1872b, 91 (subg. of *Amphist.*).—Cohn, 1904, 242.—Crep., 1839a, 286.—Fil., 1837a, 334 (mentions only *diesingi*); 1855b, 24.—Fischder., 1902a, 6; 1903h, 487, 489.—Gamb., 1896a, 73.—Goldb., 1855a, 17.—Looss, 1902m, 440, 442.—Mont., 1888a, 7, 12, 35, 84, 91, 103; 1892, Oct. 7, 214 (g. of *Amphistomina*).—Moul., 1856a, 16, 121.—Nord., 1840, 629.—Piana & Stazzi, 1900, 523.—Poir., 1883, 79.—Pratt, 1902a, 887, 893 (key).—Schneidemuehl, 1896, 295 (*Diplodiskus*).—Sieb., 1854, 19, 20.—Sons., 1895, 185, 186.—Wagener, 1857, 27, 39, 45, pl. 16, fig. 4, pl. 17, fig. 2, pl. 18, figs. 1-4, pl. 19, figs. 1-4.
- 1850: *Diplocotyle* Dies., 1850a, 286, 301 (m. *mutabile*=*subclavatum*) [not Krabbe, 1874, cestode].
- 1896: *Diplodiskus* Schneidemuehl, 1896, 295 (for *Diplodiscus*).
- conicum* Polonio, 1859; 1860, see Par., 1894, 140 (in *Natrix torquata*; Padova). [See also *Dist. conicum* Polonio.]
- diesingi* Fil., 1837a, 334-336, figs. 1-5, 337 (in *Planorbis nitidus*; Ticino).—Dies., 1850a, 301 (syn. of *Diplocotyle mutabile*; type of *Diplocotyle*).
- diesingii* Fil., 1854a, 6, pl. 1, figs. 1-4 [type of *Diplocotyle*] (in *Planorbis nitidus*) for *diesingi*; 1855b, 14, 20, 22, 23.—Ben., 1858a, 1861a, 81, 82 (syn. of *Amphist. subclavatum*).—Dies., 1855a, 394 (syn. of *Diplocotyle mutabilis*); 1858d, 272 (syn. of *Diplocotyle mut.*).—Levin., 1881a, 63.—Moul., 1856a, 95 (to *Cerc.*) (syn. *Redia gracilis* Fil.), 106, 107, 208, 209 (syn. of *Cerc. amphistomi subclavati*).—Villot, 1878, 36 (syn. of *Cerc. diplocotylea* Dies.).
- mutabilis* (Dies., 1850) Par., 1894, 140 to (*Diplocotyle*) (in *Planorbis nitidus*; Pavia).
- subclavatus* (Pallas, 1760) Dies., 1836d, 238, 240, 253-254, pl. 24, figs. 19-24 (in *Hyla arborea*, *Rana temporaria*, *R. esculenta*, *Bufo cinereus*, *B. igneus*, *Leptodactylus sibilatrix*); 1850a, 318-319 (includes *Hirudo tuba* Braun); 1858c, 359-360 (in *Dendrohyas viridis*, *Pelophylax esculentus*, *Rana temporaria*, *R. pipiens*, *Phryne vulgaris*, *Bufo viridis*, *Bombinator igneus*, *Leptodactylus sibilatrix*, *Lissotriton punctatus*); 1859c, 435-436 (includes *Amphist. subclavatum* Ben., 1858, 81, *Cerc. amphistomi subclavati* Ben., 1858, 82, in *Cycas cornea*, etc.).—Ben., 1858a, 1861a, 82 (to *Amphist.*).—Bettend., 1897a, 4, 37 (of Goeze); 1897, 308.—Blochmann & Bettend., 1895a, 217, fig. 3.—Braun, 1892a, 598, 613, 620, 641, 650, 693, 698, 711, 759, 760, 766, 768, 776, 779, 783, 785, 798, 804, 806, 807, 809, 812, 813, 814; 1893a, 817, 818, 823, 824, 828, 830, 831, 906.—Cobbold, 1872b, 92; 1879, 51.—Cohn, 1903, 39; 1904, 240, 241, 242.—Crep., 1839a, 286, 287.—Darr, 1902, 679.—Fil., 1837a, 338 (to *Amphist.*); 1854; 1855.—Fischder., 1903h, 488.—Gamb., 1896a, 71.—Giebel, 1857, 266.—Kowal., 1894, 2.—Lang, 1892a, 81 (to *Amphist.*).—Linst., 1873, 1 (larva=*Diplocotyle mutabilis* Dies.); 1877, 13-14.—MacCallum, 1905, 669.—Mol., 1859, 27.—Muhl., 1898, 20.—Nord., 1840, 627 (to *Amphist.*), 629.—Par., 1894, 140 to (*Amphist.*) (in *Rana esculenta*; Padova).—Polonio, 1859.—Sieb., 1837, 263.—Sons., 1895, 180, 185.—Ssinitzin, 1905, 157-158; 1906, 685.—Stoss., 1890, 51.—Wagener, 1857, 26, 100, pl. 16, fig. 4, pl. 17, fig. 1.
- subclavatus* Dies., of Leidy, 1856b, 45 (in *Rana pipiens*); 1904a, 88.—Staff., 1905, 689-690 (syn. of *Diplodiscus temperatus* n. sp.).
- temperatus* Staff., 1905, 689 (in *Rana catesbiana*, *R. virescens*; Canada), includes *subclavatus* Dies. of Leidy, 1856.
- unguiculatus* (Rud., 1819) Dies., 1836d, 238, 254-255, pl. 24, figs. 25-27 (in *Salamandra palustris*); 1850a, 319.—Baird, 1853a, 44 (= *Amphist. subclavatum* Rud.).—Braun, 1892a, 613.—Crep., 1839, 287.—Fischder., 1903h, 488.—Nord., 1840, 629 (in *Triton lacustris*).
- DIPLDISKUS** Schneidemuehl, 1896, 295, for *Diplodiscus*.
- DIPLOOZON** Mont., 1888a, 64, for *Diplozoon*.
- DIPLOOZOON** Mont., 1888a, 64, for *Diplozoon*.
- DIPLOSTOMA** Cobbold, 1860a, 49, for *Diplostomum*.
- DIPLOSTOMATUM** Olss., 1893, 8, see *Diplostoma*.
- DIPLOSTOMEA** Olss., 1893, 8, f. name for *Diplostomeæ*.

- DIPOSTOMEÆ** Mont., 1888a, 6, 7, 11, 12, 14, 15, 18, 26, 28, 33, 34, 41, 46, 47, 51, 52, 53, 54, 56, 57, 60, 64, 67, 90, 91, 92, 94, 102, 103, 108; 1891, 110.—Brand., 1888a, 49; 1890a, 576, 580.—Braun, 1893a, 886, 887.
- DIPOSTOMIDÆ** Poir., 1886, v. 4 (3), 327–346, pls. 18–20; (1887) v. 1 (14), 425–426.—Brand., 1888a, 17, 49, 53; 1890a, 575.—Braun, 1893a, 886, 887.—Mont., 1888a, 10, 15, 22, 53, 91, 103.
- DIPOSTOMINÆ** Brand.—Braun, 1893a, 890, 895, 901.—Mont., 1892, Oct. 7, 214 (subf. of Holostomidæ).—Pratt, 1902a, 890, 908 (key) (includes Diplost., Polycotyle).
- DIPOSTOMULUM** Brand., 1892b, 511, as collective group, not as genus, hence no type.
- constrictum* (Dies., 1850) Brand., 1892b, 511.
- DIPOSTOMUM** Nord., 1832a, 27–28, 34, 39, 47, 69 (type of first group Dip. volvens; type of second group Dip. clavatum; type by elimination and page precedence volvens) [not Diplostoma Rafinesque 1817, mammal]; 1840, 561, 602, 617, 629–630.—Brand., 1888a, 11, 12, 17, 18, 49, 50 (proposed as new genus; not of Nord.), 52, 54–58; 1890a, 575, 576, 578, 580.—Braun, 1883, 40, 56; 1890a, 515; 1892a, 600, 658, 715, 774, 792, 793, 794; 1893a, 872, 879, 881, 884, 886, 887, 890, 892, 895, 900, 901, 917; 1893b, 187; 1894, 166; 1895, 132, 136.—Burm., 1837a, 529; 1856a, 250.—Cobbold, 1860a, 49 (Diplostoma).—Crep., 1839a, 289.—Dies., 1850a, 287, 304 (syn. of Tylodelphys), 305–307; 1855, 60; 1858c, 312, 317–318 (volvens, cuticola, grande); 1859c, 424.—Duj., 1845a, 473–474.—Fischer, 1840a, 156.—Gamb., 1896a, 64, 73.—Goldb., 1855a, 17.—Heider, 1900, 21.—Henle, 1835a, 587.—Hoyle, 1890, 539.—Jackson, 1888, 652, 653, 654.—Leuck., 1863a, 475, 525.—Mol., 1858, 287; 1861, 191.—Mont., 1888a, 15, 54, 57, 61, 71 (Diplost.), 83, 84, 91 (Diplostostomum), 104; 1892, Oct. 7, 214 (g. of Diplostominæ).—Moul., 1856, 12, 16 (probably young holostomes).—Pavesi, 1881, 615.—Poir., 1886, 327–346.—Pratt, 1902a, 890, 908 (key).—Schneidemuehl, 1896, 295.—Tasch., 1879, 233.—Villot, 1898, 541, 542.—Wyman, 1869, 42.—Wolf, 1903, 605.
- 1860: Diplostoma Cobbold, 1860a, 49–51, for Diplostomum.
- 1888: Diplostostomum Mont., 1888a, 91, misprint.
- 1888: Dispostomum Mont., 1888a, 71, misprint.
- abbreviatum* Brand., 1888a, 55 (in Crocodilus sp.; Brazil); 1890a, 581–582, pl. 39, figs. 15–17 (in Croc. sp.; Brazil).—Braun, 1893a, 901.
- egyptiaca* Cobbold, 1876t, 757.—Fischder., 1903h, 488.—Sons., 1895, 179.
- egyptiacum* Cobbold, 1876t, 757 (in Equus; Egypt); 1877, 233, 235, 238.—Fischder., 1902a, 46 (syn. of Gastrodiscus polymastos Leuck.).—Lejtenyi, 1881a, 1.—Looss, 1896b, 13 (to Gastrodiscus).—Sons., 1895, 179.—Ward, 1895, 338 (in Equus caballus).—Zuern, 1882, 222.
- alatum* (Gæze, 1782) Par., 1894, 140 (as Dip. (Hemist.) alatum Dies.) (in Vulpes vulgaris, Padova; Canis familiaris, Torino).
- auriflavum* Mol., 1859, 287 (in Ardea nycticorax; Batavii); 1861, 191–192, pl. 1, figs. 1–2.—Braun, 1893a, 901.—Dies., 1859c, 424.
- bifurcatum* (Wedl, 1861) Brand., 1888a, 57–58 (in Crocodilus vulgaris; Egypt); 1890a, 584.—Braun, 1893a, 901.—Odhn., 1902, 19.
- brevicaudatum* (Nord., 1832) Dies., 1850a, 306.—Braun, 1892a, 796.—Kroyer, 1852–53a, 1222 (in Barbus fluviatilis Ag.).—Villot, 1898, 542.
- clavatum* Nord., 1832a, 42–49, pl. 3, figs. 5–10, pl. 4, fig. 5 (in Perca cernua, P. fluviatilis, P. lucioperca); 1833, 286–295, pl. 18, fig. 4, pl. 19, fig. 2; 1840, 630.—Braun, 1892a, 654, 794.—Claparède, —, 198, pl. 8, figs. 1–3.—Crep., 1839a, 289.—Dies., 1850a, 305 (to Tylodelphys); 1858e, 316 (to Tylodelphys).—Duj., 1845a, 475.—Gescheidt, —, 428.—Henle, 1833a, 22.—Kroyer, 1838–40a, 21; 1846–53a, 253 (in Perca fluviatilis, Esox lucius).—Moul., 1856a, 220–221 (in eyes of perch by Nord.; Esox lucius Duj.; P. fluviatilis Moul.: Lake Lemman).—Ols., 1893, 8.—Steenstrup, 1842, 58.
- cobitidis* Linst., 1890d, 179 (in Cobitis barbatula).—Braun, 1891d, 424 (in Cob. barb.).
- cranarium* (Dies., 1858) Cobbold, 1860, 49–50 (includes Trematodum sp. Leydig) (in Cobitis fossilis).
- cuticola* (Nord., 1832) Dies., 1850a, 306; 1858e, 317–318 (to Holost.) (in Pomotis vulgaris; Phila.; Leuciscus dobula, L. rutilus; Anglia; Gobio vulgaris. Phoxinus levis).—Braun, 1892a, 796.—Koch, 1904, 795.—Kroyer, 1838–40a,

## DIPLOSTOMUM—Continued.

- 578 (in *Perca fluviatilis* L.).—Lint., 1898, 513, pl. 41, figs. 6-10, pl. 42, figs. 1-5.—Staff., 1904, May 3, 494 (encysted in liver of *Ambloplites rupestris*; Canada).—Villot, 1897; 1898, 541, 542 (larva of *Hemist. denticulatum*) (in *Phoxinus levis*).—Wellner, 1899, 51-53, 2 figs. (in Weissfisch).—Also reported for *Abramis brama*, *A. vimba*, *Blicca bjerkna*, *Gobitis tænia*, *Chaenobrythus gulosus*, *Chondrostoma nasus*, *Cyprinus carpio*, *Eupomotis auratus*, *E. pallidus*, *Gobio fluviatilis*, *Idus melanotus*, *Lepomis auritus*, *Leuciscus erythrophthalmus*, *L. idus*, *L. vulgaris*, *Scardinius erythrophthalmus*.
- [*fusca*=*Geomys bursarius*, mammal.—Stiles, 1896, 183.
- grande* Dies., 1850a, 305, 307 (in *Ardea leuce*, *A. agami*; Matogrosso, Brazil); 1855, 60, pl. 1, figs. 1-12; 1858e, 318; 1859c, 424 (in *Strix nivea*).—Brand., 1888a, 12, 18, 26, 50, 54-55 (syn. *Hemist. macropteron*) (in *Ardea leuce*; Brazil); 1890a, 554, 576, 581, pl. 39, fig. 14 (in *Ardea leuce*; Brazil).—Braun, 1892a, 582; 1893a, 901.—Leidy, 1859, 110.—Mont., 1888a, 12.—Poir., 1886, 328.
- lenticola* Linst., 1878, 226-227, fig. 9 (in *Abramis vimba*).—Braun, 1892a, 796.—Poir., 1886, 336 (in *Ab. vim.*).
- longe* Braun, 1892a, 581, see *longum*.
- longum* Brand., 1888a, 25, 55, 57, 61 (in *Crocodylus*; Brazil); 1890a, 553, 582, 584, pl. 39, figs. 1-9 (in *Croc.* by Natterer; Brazil).—Braun, 1892a, 569, 582, 586, 672; 1893a, 901.
- macrostomum* Jægers., 1900a, Jan. 6, 33-37, figs. 1-5 (in *Telmatias major*; ?Upsala).
- mülleri* Cobbold, 1860a, 50 (includes *D. petromyzi fluviatilis* Mueller, *D. rachiseum* Mueller?, *Tylodelphys* Dies. Revis., p. 12) (in *Petromyzon fluviatilis*).
- musculicola* (Waldenburg, 1860) Braun, 1892a, 796.
- mutabile* (Dies., 1850) Par., 1896, 2, to (*Codonocephalus*) (in *Rana esculenta*; Italy).
- parvulum* Staff., 1904, 494 (in *Semotilus bullaris*; Canada).
- petromyzi fluviatilis* Dies., 1850a, 307, based on Mueller, 1840, 30 (in *Petromyzon fluviatilis*); 1858e, 318 (to *Tylodelphys*).
- pseudostomum* (Will.-Suhm, 1870) Poir., 1886, 334-339, 345, pl. 18, figs. 3-4, 5, 6, pl. 19, figs. 2, 4.—Brand., 1888a, 34, 50, 55-56 (in *Crocodylus*; Brazil); 1890a, 563, 576, 582-583, pl. 39, figs. 10, 11 (in *Croc. sp.*).—Braun, 1892a, 593; 1893a, 901.
- putorii* Linst., 1877, 191, pl. 14, fig. 21 (in *Fætorius putorius*).—Brand., 1888a, 42; 1890a, 572.—Braun, 1894a, 796.
- rachiseum* Crep., 1839, 289.—Mueller, 1839, 198.
- rachidis* Par., 1896, 2, for *rachiseum* to (*Tylodelphis*).
- rachiseum* Fraip., 1880c, 419, for *rhachiseum*.
- rachineum* Mueller, (1842).
- rhachiseum* Henle, 1833a, 19-22, pl. 1, figs. 18-22 (in *Rana*).—Brand., 1888a, 15.—Braun, 1892a, 654 (*rachiseum*), 795.—Claparède, —, 198, pl. 8 (*rachiseum*).—Crep., 1839, 289 (*rachiseum*).—Dies., 1850a, 305 (syn. of *Tylodelphys rachidis*); 1858e, 316 (*rachiseum*). (syn. of *Tylodelphys rachidis*).—Duj., 1845a, 475 (*rachiseum*).—Fraip., 1880c, 419 (*rachiseum*); 1881b, 7 (*rachiseum*).—Hofman, 1899, 184 (*rachiseum*).—Jackson, 1888, 645 (excretory system).—Kuech., 1855, 187 (*rachiseum*).—Leidy, —, 383.—Leuck., 1863a, 526 (*rachiseum*).—Mont., 1888a, 41 (*rachiseum*).—Moul., 1856a, 221 (*rachiseum*).—Mueller, 1839, 198 (*rachiseum*); 1842, — (*rachineum*) (in *Petromyzon fluviatilis*).—Par., 1896.
- siamense* Poir., 1886, 327-333, 336, 340, 345, pl. 18, figs. 1, 2, pl. 19, fig. 7, pl. 20, figs. 1-4 (in *Crocodylus siamensis*).—Brand., 1888a, 26, 34, 50, 56-57 (in *Croc. si.*); 1890a, 554, 563, 576, 583.—Braun, 1892a, 717; 1893a, 901.—Mont., 1888a, 12.
- spataceum* Stoss., 1896, 126 (for *spathaceum*).
- spathaceum* (Rud., 1819) Ols., 1876, 29-30.—Braun, 1893a, 901.—Stoss., 1896, 126 (*spataceum*); 1898, 20 (to *Conchosomum*).
- spathula* Brand., 1888a, 54 (syn. *Hemist. spathula*) (in *Falco palumbarius*; Wien. Museum); 1890a, 580, pl. 39, fig. 13.—Braun, 1892a, 582; 1893a, 901.—Also reported for *Æstur palumbarius*.



## DIPLOSTOMUM—Continued.

*spathulaforme* Brand., 1888a, 44, 54 (in *Strix otus*): 1890a, 574, 580–581, pl. 39, fig. 12 (in *Otus vulgaris*).—Braun, 1892a, 582; 1893a, 844, 845, 901; 1894, 166.—Wolffhuegel, 1900, 9, 11, 12, 14.—Also reported for *Accipiter nisus*, *Ægolius otus*, *Buteo vulgaris*, *Sarcorhamphus gryphus*.

sp. Kroyer, 1852–53a, 1051 (in *Petromyzon fluviatilis* L.).

sp. Lint., 1901, 415, 442, 471.

*volvans* Nord., 1832a, 28–41, 43, pl. 1, fig. 3, pl. 2, figs. 1–10, pl. 3, figs. 1–4, 9, pl. 4, fig. 6 (in *Cyprinus erythrophthalmus*, *Gadus lota*, *Perca cernua*, *P. fluviatilis*, *P. lucioperca*); 1833, 270–286, pls. 18, 19, figs. 1–3 (pl. 19, fig. 1, gives *Dist. volvans*, probably lapsus); 1840, 630.—Aubert, 1853, 90.—Brand., 1888a, 12; 1890a, 569.—Braun, 1892a, 636, 637, 648, 653, 654, 794–796; 1894, 166, 167; 1894k, 681 (larva of *Hemist. spathaceum*).—Brown, A. W., 1899d, 490, 493, 494.—Claparède, —, 100, pls. 4, 5.—Cobbold, 1858b, 159.—Crep., 1839a, 289; 1846, 150, 153.—Dies., 1850a, 306; 1858e, 317.—Duj., 1845a, 474–475.—Fraip., 1880a, 400; 1880c, 419, 420, 429–433, 441, 442, 443, pl. 18, figs. 18–21 (in *Leuciscus rutilus*, *Chondrostoma nasus*); 1881b, 1, 7; 1883a, 36.—Gamb., 1896a, 64, fig. 31 (as *Dip. (Tetracotyle) volvans*).—Gescheidt, 1833, v. 3, 426–428.—Henle, 1883a, 22.—Jackson, 1888, 645 (excretory system).—Kroyer, 1838–40a, 21, 579, 609; 1852–53a, 1224 (in *Leuciscus rutilus* L., *L. erythrophthalmus*, *Lota vulgaris*, *Perca fluviatilis* L., *Acerina cernua* L.).—Looss, 1885b, 20.—Mont., 1888a, 41, 42, 43, 45, 46.—Moul., 1856a, 220 (in eye of *Perca fluviatilis*, *P. cernua*, *P. lucioperca*, *Gadus lota*, *Cyprinus erythrophthalmus*).—Mueh., 1898, 16.—Olss., 1893, 9 (in *Leuciscus phoxinus*).—Steenstrup, 1842, 58.—Villot, 1898, 542 (larva of *Hemist. spathaceum*).—Also reported for *Acerina cernua*, *A. vulgaris*, *Lota communis*, *Lucioperca sandra*.

DIPLOSTOMUM Brand., 1888a, 50, 54–58, proposed as new genus [no type given], [not Nord., 1832], for abbreviatum, bifurcatum, grande, longum, pseudostomum, siamense, spathula, spathulaforme see under foregoing entry; 1890a.—The generic name *Diplostomum* Brand. falls as a homonym.

DIPLOSTOSTOMUM Mont., 1888a, 91 for *Diplostomum*.

DIPLOOZON Mont., 1888a, 64 (for *Diplozoon*).

DIPLOOZOON Mont., 1888a, 64 (for *Diplozoon*).

DIPLOZOON Nord., 1832a, 56–76 (n. paradoxum); 1840, 599.—Beard, 1905, v. 93, 383, 2 figs.—Ben., 1858a, 1861a, 11, 38, 168, 172, [200], 345; 1868, 28.—Ben. & Hesse, 1864, 61, 64, 96.—Brand., 1891b, 266; 1894a, 308.—Braun, 1889k, 620, 621; 1890b, 125, 127, 128; 1891d, 422; 1890a, 413, 414, 442, 451, 461, 468, 472, 475, 477, 480, 481, 482, 485, 491, 492, 493, 494, 495, 498, 500, 506, 507, 511, 514, 515, 516, 517, 518, 520, 522, 523, 533, 534, 535, 546; 1893a, 890; 1895, 125; 1899, 3.—Burm., 1837a, 530; 1856a, 251.—Carus, 1833, 477.—Cérif., 1895h, 918, 920; 1896, 514, 515; 1899a, 451.—Chatin, 1880f, 591–592; 1881a, 310–312; 1887d, 1005.—Crep., 1838, 84; 1839a, 292.—Dies., 1850a, 90, 422–423, 425; 1858c, 269–272, 315 (in subf. *Placoptectana*), 387.—Duj., 1845a, 315.—Gamb., 1896a, 55, 57, 61, 73.—Goldb., 1855a, 19.—Goto, 1891a, 167, 168, 169, 170, 176, 177, 178, 181, 183, 186, 187; 1891c, 103; 1893a, 800.—Haskell, 1892b, 149; 1893c, 114.—Hoyle, 1890, 539.—Ijima, 1884, 637, 638.—Jackson, 1888, 649 (= *Diporpa*), 653.—Jucl, 1889, 33.—Kath., 1894a, 148, 155.—Leuck., 1863a, 48; 1879, 58, 62.—Leuck., 1886d, 45, 48.—Looss, 1892a, 72–73; 1893b, 810.—Mayer, 1841a, 34.—Mont., 1888a, 11, 15, 37, 49, 51, 52, 53, 55, 57, 58, 59, 60, 61, 63, 64 (*Diplozoon*, *Diplozoon*), 65, 66, 70, 83, 84, 86, 89, 98, 99; 1892, Oct. 7, 186, 213 (in *Octocotylinæ*); 1893, 111; 1903, 336 (subf. *Octoboltrinae*).—Moul., 1856a, 10.—Pintner, 1891, 728.—Pratt, 1900a, 646, 651 (key), 656, fig. 31.—Tasch., 1879, 35, 69; 1879, 232, 233, 238, 249 (syn. *Diporpa* Duj.).—Wallenstedt, 1847, 7.

1835: *Diplozoon* Burm., 1835b, 187, for *Diplozoon*.

1888: *Diplozoon* Mont., 1888a, 64, for *Diplozoon*.

1888: *Diplozoon* Mont., 1888a, 64, misprint.

1900: *Diplozoön* Pratt, 1900a, 646, 651.

*nipponicum* Goto, 1891a, 151–192, pls. 21–23 (in *Carassius vulgaris*); 1891b, 472–473.—Braun, 1891d, 422.—Mont., 1893, 8, 111.

*paradoxum* Nord., 1832a, 56–57, pl. 5, figs. 1–5, pl. 6, figs. 1–2 (in *Cyprinus brama*); 1833, 373–396, pl. 20, figs. 1–4; 1840, 547, 597, 599.—Ben., 1858a, 1861a, 39–44, 53, 66, 99, 169, 176, 186, pl. 4, figs. 1–12.—Braun, 1883, 45, 51, 57, 71; 1890a, 409, 415, 420, 428, 438, 439, 445, 451, 452, 455, 456, 457, 465, 472, 479, 483, 489,

## DIPLOZOON—Continued.

492, 499, 506, 512, 535, 548, 550, 551; 1891a, 52, 53.—Burm., 1837a, 530.—Cobbold, 1872b, 90.—Crep., 1838, 89 (in *Cyprinus balerus*, *C. brama*, *C. jesus*, *C. rutilus*, *C. vimba*; on gills), 164; 1839a, 292.—Dies., 1850a, 423; 1858e, 282, 387 (in *Carassius gibelio*; *Rhodeus amarus*); 1859c, 444.—Duj., 1845a, 316.—Ehrenb., 1835, 128.—Fraip., 1880a, 400 (*paradoxum*); 1880c, 416, 418, 433; 1883a, 36.—Gamb., 1896a, 59–61, figs. 27, 28.—Gosse, 1857a, 125.—Goto, 1891a, 151, 175, 185.—Hausmann, 1897b, 4, 7, 20, 22, 36–38 (in *Abramis brama*, *Cottus gobio*, *Gobio fluviatilis*, *Phoxinus phoxinus*).—Heller, 1857a, 109–110, 5 figs.—Hoyle, 1890, 539, fig. 3, A.—Ijima, 1884c, 637.—Jackson, 1888, 650.—Jacoby, 1900, 3.—Kerbert, 1881a, 556.—Kholodk., 1899a, 148, fig. 176.—Kollar, 1835, 81; —, 82.—Kroyer, 1846–53a, 388, 410, 419, 434, 446, 462; 1852–53a, 1223, 1224 (in *Abramis balerus*, *A. blicca*, *A. brama*, *A. vimba*; *Leuciscus erythrophthalmus*, *L. idus*, *L. rutilus*).—Lamarck, —, 599.—Leuck., 1863a, 450.—Looss, 1885b, 18; 1892a, 81.—Mayer, 1841a, 23.—Mont., 1888a, 9, 38, 40, 52, 58, 70; 1890, 421; 1892, Oct. 7, 186; 1893, 110, 111.—Mueh., 1898, 12, 18.—Olss., 1893, 6.—Par., 1896, 1.—Par. & Perugia, 1890, 7.—Paulson, 1862, 16 pp., 1 pl.; 1867, 1–24.—Pratt, 1900a, 656, 657, fig. 31.—Sieb., 1835, 58, 59; 1836, 105; 1836, 238; 1839, 163, 164; 1842, 459; 1850, 36–37; 1851, 10 Mar., 62–68 (conjugation); 1854, 52–58, 201–206.—Sons., 1897, 259.—Sramek, 1901, 95, 109, fig. 63 (in *Abramis brama* Cuv.).—Tasch., 1879, 249 (syn. *Diporpa dujardini* Dies.); 1879, 613.—Vogt, 1841, 33–36, pl. 2, figs. 10–12.—Wagener, 1857, 96, pls. 9–10.—Zeller, 1872, 3 May, 168–180, pl. 12, figs. 1–13 (development); 1872, Sept., 99–112; 1888, 23 Mar., 233–239, pl. 19 (genital organs); 1888, 427–428.—Also reported for *Blicca björkna*, *Carassius vulgaris*, *Chondrostoma nasus*, *Cyprinus blicca*, *C. cephalus*, *C. gobio*, *C. leuciscus*, *Gasterosteus aculeatus*, *Idus melanotus*, *Leuciscus cavellianus*, *L. prasinus*, *Lota vulgaris*, *Scardinius erythrophthalmus*.

DIPLOZOOM Burm., 1835b, 187, for *Diplozoon*.

DIPORPA Duj., 1845a, 316–317, pl. 3, fig. C (m. *dujardini* Dies., 1850).—Ben., 1858a, 1861a, 38, 199.—Ben. & Hesse, 1864, 61, 64.—E. Bl., 1847, 337–338.—Braun, 1883, 57; 1890a, 424, 442, 452, 506, 507, 518, 535.—Chatin, 1880f, 591–592; 1881a, 310–312.—Cunningham, 1887a, 279.—Dies., 1850a, 289, 420, 425; 1858c, 269–272; 1858e, 315, 386.—Gamb., 1896a, 61.—Goldb., 1855a, 19.—Heller, 1857a, 110.—Jackson, 1888, 649.—Looss, 1892, 81.—Kroyer, 1846–53a, 434 (in *Leuciscus erythrophthalmus*).—Mont., 1888a, 70, 83, 84, 89.—Tasch., 1879, 232, 249 (syn. *Diplozoon Nordl.*).

*dujardini* Dies., 1850a, 420 (in *Cyprinus erythrophthalmus*) (based on Duj., 1845a, 316–317, pl. 3, fig. c); 1858c, 271; 1858e, 386 (in *Phoxinus phoxinus*).—Ehrenb., 1852, 28.—Olss., 1893, 6.—Sieb., 1850, 36–37; —, 62.—Tasch., 1879, 249 (syn. of *Diplozoon paradoxum Nordl.*).—Also reported for *Abramis alburnus*.

DISCOCYTILE Dies., 1850a, 290, 423–424 (only positive species, hence type *sagittata*), 425.—Goldb., 1855a, 19; Tasch., 1879, 239.

1858: *Placoplectanum* Dies., 1858c, 315, 381, *Discoctyle* renamed, hence type *sagittatum*.

1890: *Discoctyle* Braun, 1890a, 518, misprint.

*hirundinaceum* (Bartel, 1834) Dies., 1850a, 424 (sp. inq., nomen nudum except for habitat, *Coregonus wartmanni*).

*leptogaster* (Leuck., 1830) Dies., 1850a, 424 (in *Chimera monstrosa*; *Christiania*).—Kroyer, 1852–53a, 812 (in *Ch. mon. L.*).—Tasch., 1879, 245 (to *Octobothrium*).

*sagittata* (Leuck., 1842) Dies., 1850a, 423–424 (in *Salmo fario*).—Kroyer, 1838–40a, 616 (in *Salmo fario*).—Tasch., 1879, 244 (to *Octobothrium*).

DISCOCYTILEA Dies., 1850a, 419, 422 (supergeneric).

DISCOCYTILEE Dies., 1850a, 288, 289, 290 (supergeneric).—Goldb., 1855a, 17, 19.

DISCYTILE Braun, 1890a, 518, misprint for *Discoctyle*.

DISCYTILEA Cerf., 1899a, 351.

DISPILOSTOMUM Mont., 1888a, 71 (for *Diplost.*).

DISSICHYA Cosmovici, 1887a, 129, 131 (includes *Amphist.*, *Bilharzia*, *Dist. Gasterost.*, *Hemist.*, *Holost.*).—Mont., 1888a, 84.

DISTOAM Cobbold, 1875n, misprint for *Distoma*.

DISTOMA Retzius (1782); 1790, 32 (*Fasciola* Linn., 1758, renamed, hence type *hepatica*) [not *Distoma* Savigny, 1816, mollusk; *Distomus* Gärtner 1774,

## DISTOMA—Continued.

Ascidie composite; *Distomus* Steph., 1827, coleopteron; not *Distoma* Gærtner of Herdmann, 1890].—Abildg., 1790, 36 (syns. *Fasc. hep. Linn.*, *Fasc. Mueller*, *Planaria* Goeze, *Fasc. Bloch*).—Adam, 1879, 159.—Aitken, 1872, 203, fig. 36a.—Albarran, 1897b, 1096.—Anacker, 1885e, 438; 1885d, 380, 381; 1887b, 350.—Andral, 1829d, 617.—Ariola, 1899a; 1899 (in 129-138); —, 299.—Ashley, 1856, 7, 8.—Audouin, 1824a, 563-564 (polyp).—Baillet, 1866b, 99.—Bellingham, 1844a, 422-423.—Ben., 1870c, 142.—Ben. & Hesse, 1864a, 61.—E. Bl., 1847a, 291-292.—R. Bl., 1888a, 543, 567, 570, 575, 577, 584, 585, 590, 593, 594, 595, 597, 598, 599, 601, 602, 603, 605, 614, 615, 622, 624, 625, 627, 628, 630, 631, 636, 641, 643, 644, 646, 647; 1891p, 609; [1892b], 1026-1030, figs. 1-7.—Bojanus, 1817, pl. 9.—Brand., 1888a, 9; 1892b, 506.—Braun, 1883a, 59, 70; 1890a, 473, 479, 514, 515; 1891d, 423; 1892a, 570, 599, 635, 696, 715, 720, 735, 767, 769, 770; 1893a, 825, 837, 853, 857, 872, 879, 880, 884, 885, 886, 887, 890, 893, 894, 895, 902, 908, 913, 918; 1893f, 382, 383, 388, 389; 1893g, 802; 1894i, 604; 1895b, 17, 134, 136, 138; 1900b, in 217-236, 1 pl.; 1900, 3; 1900g, 254; 1900h, 3, 6; 1901e, 323, 332, 333, 338, 339, 340, 342; 1902b, 41, 51, 52, 53, 79, 117.—Burm., 1837a, 529; 1856a, 250.—Bremser, 1824, 133-134.—Buttel-Reepen, 1900a, 585-598, figs. 1-9 (2 species); 1902a, 282-283.—Carus, 1835a, 90, 91, 93; 1863, 479.—Chiaje, 1833, 11.—Cobbold, 1879b, 15; 1883p, 401, fig. 16; 1883x, 514.—Cohn, 1902h, 880.—Cosmowicz, 1887a, 128.—Crep., 1837a, 309-329; 1839a, 288.—Daldorf, 1793, 159 (syn. of *Fasc. hep.*).—Davaine, 1877a, lxxiv.—DeLafield & Prudden, 1897a, 130.—Dies., 1850a, 288, 293 (of Baer syn. of *Rhopalocerca*), 295 (of Fil. and Steenstrup syn. of *Cerc.*), 301 (of Baer syn. of *Heterost. Fil.*), 307 (of Rud. syn. of *Hemist. Dies.*), 318 (of Zed. syn. of ? *Diplodiscus Dies.*), 319 (of Zed. syn. of *Monost. Zed.*), 329 (of Ammon, syn. of *Monost. lentis Nord.*), 331-339 (syns. *Fasc. Linn.*, *Planaria* Auct., *Schisturus* Rud., *Alaria* Blainv., *Brachylemus* E. Bl., *Apoblema* E. Bl.), 400 (of Bojanus syn. of *Amphist. Rud. ex parte*; of Rud. syn. of *Rhopalophorus Dies.*), 418 (of Henle syn. of *Heptast. Otto Schomburgk*), 573 (of Zed. syn. of *Tetraphothriorhynchus Dies.*), 609 (of Humboldt syn. of *Pentast. Rud.*); 1855a, 377, 380, 383 (of Fil., Sieb., & Steenstrup, syn. of *Cercarigæa*), 384, 385, 396; 1858e, 312, 329 (syns. *Fasc.*, *Plan.*, *Dist.*, *Schisturus*, *Alaria*, *Brachylemus*, *Apoblema*, *Clinost.*), 331.—Doyère, 1838a, 131-132; 1838b, 398-399.—Duj., 1845a, 381-388.—Dunlison, 1893a, 338, 710, 1174.—Eichwald, 1829a, 248.—Eiss, 1838a, 21.—Encyl. méthodique, Par., 1824, v. 2, 256-285.—Fabricius, 1794, 26; [1799a], 149.—Fil., 1837a, 337.—Fischer, 1840, 157.—Froriep, 1833, 428-432.—Gamb., 1896a, 73.—Goldb., [1855a], 17, 27.—Goto, 1891a, 158; 1893a, fig. 2.—Gunther, 1858, 205.—Gurli, 1831, 370.—Hackley, (1886a), 518-519, figs. 880-885.—Hahn & Lefèvre, 1884a, 515-549; 1884, 806.—Hausmann, 1897b, 16.—Henle, 1835a, 597.—Herdmann, 1890, 617 (*Distoma* of Gærtner, 1890, 617, f. *Distomidae* of *Ascidie composite*).—Hoylc, 1890, 535, 539, 540.—Huber, 1896a, 574 (from *διστομος*).—Jacoby, 1899c, 1-30, pls. 1-2, figs. 1-16; 1899d, 30 pp., 2 pls., figs. 1-16.—Jägers., 1901b, 979.—Joy, 1835a, 504.—Kajama & Nanba, 1892a, 32-36, 42-46 (Japan).—Kholodk., 1898a, 25, 26.—Knoch, 1862d, 19.—Kolenati, 1857, 11.—Kowal., 1895g, 1, 24 (41, 64); 1896g, 70, 71.—Kuech., 1855a, 182.—Lamoureux, 1824a, 559-563.—Leblond, 1836e; 1836f, 4.—Leidy, 1850a, 301-310, pl. 43, figs. 1-16 (2 species); 1884a, 47-48.—Leuck., 1863a, 451, 461, 524, 528-530; 1879, 136; 1886d, 7, 34, 35, 62, 67, 105, 117, 204, 715.—Linst., 1879a, 165-188.—Lint., 1901b, 408.—Laoss., 1885a (2 species); 1885b, 56; 1892a, 126; 1893b, 816, 817, fig. 1; 1896b, in 1-252, 16 pls.; 1899b (divided into various genera), 533, 535, 536, 537, 538, 539, 540, 542, 543, 545, 546, 556, 658; 1901b, 191, 192, 193, 195, 196, 197, 200, 210; 1900d, 603; 1902m, 701, 719 (in ref. to *Monost. prismaticum*), 720, 732, 746, 750, 751, 752, 753, 756, 775, 795, 796, 812, 813 (as collective genus), 842, 865.—Meltzer, 1894a, 406-407, figs. 1-3; 1895a, 137.—Milner, 1858, 17.—de Miranda, (1903a), 137-139; 1904a, 280.—Miyake, 1894, 1-6, 1 pl.—Mlinarich, 1832, 13.—Moniez, 1896, 86, 89-90.—Mont., 1888 (thesis), 4, 7, 8, 9, 12, 22, 24, 31, 33, 38, 43, 50, 53, 54, 57, 64, 71, 83, 84, 89, 92, 104; 1889k, 132-134; 1889l, 612-613; 1892, 29; 1892, 687; 1892, Oct. 7, 189; 1893, 229, pl. 1; 1893, 427; 1894, Feb. 1, 16-21.—Moul., 1856a, 12, 15, 121.—Mueller, 1839, in 171-251, pls. 1-4.—Muller, 1850, 496.—Neumann, 1892, 345.—Nord., 1840, 544, 613, 614 (of Zed. syn. of *Fasc.*).—Odhn., 1902, 43.—Osborn, 1898, 301-310, figs. 1-4 (in *Anodonta plana*).—Perrier, 1903, 682.—Pontallié, 1853, 103-105 (2 species).—Pratt, 1900a, 645; 1902a, 889; 1902 (4 species).—Raf., 1815, 151 (of Zed. renamed *Distomopsis*).—Rail. & Marotel, 1898, 37.—Rathke, 1799, 69.—Rawitz, 1893, v. 1, 1691-1697.—Rentsch., 1869, 11.—Rad., 1809, 6, pl. 5, figs. 1-3, pl. 6, figs. 7-8, 21-22, 37-38, 352; 1819, 92, 362-363.—Schneidmuehl, 1896,

## DISTOMA—Continued.

- 295, 296.—Schneider, 1866, 334.—Seely, 1906, Apr., 249–254, figs. 1–3 (2 species).—Setti, 1897, in 50 pp., 2 pls.; 1897, in 198–247, 2 pls.; —, 49.—Shaw, 1901, 263, 809.—Sieb., 1836, 232–240 (as genus); 1854, 20, 29.—Simon, 1897, 259 (Distomi).—Sluiter, 1898, 1–64, pls. 1–7.—Sommer, 1880, 195–202, figs. 3–10; 1895, 116–123, figs. 15–22.—Sons., 1889, 276.—Staff., 1900, in 399–414 (5 species).—Steenstrup [1859, 167–170].—Stiles, 1901, 163, 164, 165, 172, 174, 194, 196; 1905z, 14.—Stiles & Hass., 1898a, 87, 88, 89.—Stoss., 1892, 42 pp.; 1892, 4, 5, 7, 12; 1898, 31; 1899, in 1–6, 1 pl.; 1903, 193–201; 1905, Jan. 31, 23.—Stowell, 1879, Jan., 85–93, pl. 9.—Tasch., 1879, 232, 233.—Valentin, 1811, 6.—Verrill, 1870, 172, 219, 220.—Veterinarian, Lond., 1897, v. 70, Oct., 522 (in the heart).—Villot, 1870, 9–13 (adults).—Vogt, 1878, 9.—Wagner, 1883, 120–122.—Ward, 1896, in 257–272, figs. 1–10.—Weltner, 1896, 199–200, 3 figs. (in Wasserjungfern).—Wolf, 1903, 610.—Zed., 1800a, 161–164.—Ztschr. f. Fleisch. u. Milchhyg., 1906, Nov., 66.
- , anatomy of: Baer, 1828f, 197–198 (anus).—Chatin, 1882d, 200–202 (muscles).—Crety, 1892d, 21–26, figs. 1–2 (suckers, tactile organs); 1893a, 380–384 (suckers, tactile organs).—Jackson, 1888, 643, 644.—Linst., 1873e, 95–108, pl. 5, figs. 1–6 (new species and female organs); 1873f, 231–232 (sexual organs).—Macé, 1882, 91 pp., 3 pls. (grande douve du foie).—Nardo, 1827, v. 1, 68–69 (anus).
- , biology of: Braun, 1890d, 568.—Brown, 1882b, 624–630 (liver-fluke).—Harms, 1891a, 249–250 (Aufnahme).—Pontalić, 1851, 217–219 (encysted adults).—Schauninsland, 1882, Nov. 25, 494–498, pls. 19–20 (embryology).—Wymann, 1851, v. 6, 65.
- , classification of: R. Bl., 1885a, 541; 1891p, 609–611.—Duj., 1845a.—Looss, 1899b, 521–784, pls. 24–32; 1900a, 390–401; 1900b, 458–466; 1901b; 1901c; 1901, Feb.—Luehe, 1899k, 524–539; 1900p, 305–306.—Mont., 1892, Oct. 7, 214.—Stiles & Hass., 1898a.
- , geographic distribution of: Billet, 1898a, 279–282, figs. 22–23 (Haut-Tonkin).—Cobbold, 1876h, 209–212 (Asia).—Johnston, 1901a, 334–338, pl. 22, figs. 1–4 (Australia); 1901b, 598 (Aust.); 1902a, 326–330, pl. 13, figs. 1–7 (Aust.); 1902b, (Aust.); 1903a, 899 (Aust.).—Linst., 1900a, 267–304 (in fish at Woods Hole); 1901a, 267–304 (Woods Hole); 1901b, 405–492 (Woods Hole); 1902a, 449–450 (Woods Hole).—Looss, 1900a, 390–401 (Egypt); 1900b, 458–466 (Egypt).—Mochizuki & Tsutsumi, 1899, Nov. 20, 13–24 (Shigaken).
- , in collections: Stoss, 1904, June 23, 1–14, pl. 2, figs. 1–3 (Naples); 1905, Jan. 31, 23–24 (Naples).
- , in various animals: Bavay, 1902a, 199–200, 1 fig. (sp. in *Rhizostoma cuvieri*); 1905, July, 63.—Heymann, 1905, 97–98, fig. B (*Kachuga tectum*).—Weltner, 1896, 199–200, 3 figs. (Libellulidae).
- , in amphibia: Groenouw, 1898a, 60–62, 1 fig., 85–92 (eye of *Rana esculenta*); 1903a, 65 (frog).—Guenther, 1853a, 95–99, pl. 1, figs. 1–6 (in *Rana temporaria*).—Klein, 1905, 59–80, pl. 5, figs. 1–8 (*Rana hexadactyla*); 1905, 24 pp. (R. hex.); 1906, Jan. 30, 41–42 (R. hex.).—Looss, 1894a, 296 pp., 192 figs. (and fish); 1894b.—Luehe, 1901p, 166–177 (Indian Anura); 1901q, 658 (Indian Anura).—Schellenberg, 1895, 170–171, figs. 1–2 (frog: muscle); 1895, Aug. 24, 183.—Staff., 1903, Oct. 21, 822–830, 1 pl., figs. 1–5 (Canadian Urodela); 1904, May 17, 281 (Canadian Urodela).—Stoss, 1889, v. 11, 60–74; 1889, Oct., 521; 1889, Nov. 8, 581–582.—Vallada (1882), v. 29, 35–39 (crustacea).—Vulpian, 1859, 150–152 (frogs); 1860, pl. 11, fig. 4.
- , in aves: Braun, 1899a, 1–4 (in *Porphyrio*).—Linst., 1906, 174 (in *Plotus melanogaster*).—de Miranda Ribeiro, 1903a, 137–139; 1904a, 280.—Nicoll, 1906, 515 (*Columbus septentrionalis*).—Rail., 1890, 131 (pigeon).—Spencer, 1889, 109–110 (egg of fowl).—Stoss., 1892, v. 13 (2), 143–196; 1892, 54 pp.
- , in fishes: Ariola, 1899, 129–138 (marine).—Catois, 1897, xxxiii (meninges of *Gadus*).—Chavannes, 1851a, 210 (*Corregonus fera*).—Johnston, 1902a, 326–330 (*Pristiophorus cirratus*); 1905, July, 57 (Pr. cir.).—Kroyer, 1838–1840a, 612 (*Rhombus vulgaris*); 1843–1845a, 517 (*Cyclopterus lumpus*); 1852–53a, 745 (*Orthogoriscus mola*).—Linst., 1900a, 267–303; 1901a, 267–304; 1901b, 405–492; 1902a, 449–450; 1905, 349, 350, 353, 359, 360, 361, 364, 366, 372, 373, 374, 382, 385, 389, 393, 397, 402, 403, 404, 410, 413, 414, 415, 416, figs. 167, 168, 169, 171, 172, 173, 179, 198, 199, 205, 208, 209, 210, 213, 214, 215.—Looss, 1894a, 296 pp., 192 figs. (and frogs); 1894b, 706–711 (and frogs); 1901d, 398–405, 437–442, figs. 5–6 (Labriden; Triest).—Luehe, 1900w, 504–509 (gall-bladder;

## DISTOMA—Continued.

- Mediterranean); 1900x, 792.—MacCallum, 1895, July, 401–412, figs. 1–8; 1895, 12 pp.—Mont., 1889k, 132–134; 1889l, Nov. 15, 612–613 (*Acanthias vulgaris*).—Schroeder, 1895, Oct. 26 (pike); 1896, Mar. 21, 426.—Ssinitzin, 1905, 210 pp., 6 pls., 9 figs. (and frogs: near Warschau); 1906, Nov. 13, 681–689 (and frogs: near Warschau).—Stoss., 1886, 66 pp.; 1888.—Tilesius, 1810, 335–375, 6 pls., 363–374, pl. 19, figs. 8–10 (*Gadus wachnia*).
- , in mollusks: Blochmann, 1892b, 649–652 (*Helix hortensis*).—Dies., 1850a, 298 (of Bojanus syn. of *Cerc. helicis viviparæ* sp. inq.; in *Paludina vivipara*).—Dubois, 1903, 178–179 (in *Mytilus gallo-provincialis*).—Huet, —, 20 pp., 1 pl. (*Cardium edule*).—Leidy, 1847c, 220–221 (*Helix alternata*).—Osborn, 1898, 301–310, figs. 1–4 (*Anodonta plana*; Chautauqua, N. Y.).
- , in insects: Ruge, 1904, June 30, 520; 1904, 174–176; 1905, Apr. 15, 420 (*Anopheles maculipennis*).—Schoo, 1902, Feb. 8, 283–286, figs. 1–2 (in *Anoph. claviger*); 1902, June 17, 358–359; 1905, July 1, 63.
- , in mammalia: Braun, 1893e, 347–355 (cat); 1893f, 381–392, 422–428; 1894, 691–696; 1900f, 387–391 (Chiroptera).—Cobb, 1897a, 453–481, 1 pl., 26 figs. (sheep).—Duncker, 1881a, 23–25, 55, 154, 159–160; 1884a, 39–42 (muscle, hogs).—Erc., 1875a, 391–441, 1 pl., figs. 1–9 (dogs); 1875b, 88–91 (dogs); 1875c, 413–416 (dogs); 1875e, 33–40 (dogs); 1875f, 274–279 (dogs); 1875g, 254–255 (dogs); 1876a, 379 (dogs).—Galli-Valerio, 1893a, 173–182, pl. 2, figs. 1–6 (embolism, horse); 1895c, 266 (horse).—[Hoppen, 1881a, 39 (muscle, hog).]—Johnston, 1901a, 334–338, figs. 1–4 (*Platypus*); 1901b, 598.—Hutcheon, 1900i, 497 (*Duiker antelope*).—Katsurada & Saito, —, v. 39 (3), 506; 1906, Nov. 13, 2264 (pancreas, cattle).—Leuck., 1881b, 46 (muscle, hog).—Marchi, 1873, 304, pl. 5, fig. B (*Delphinus tursio*).—Meltzer, 1894a; 1895a (in lungs of cattle).—Morot, 1889, Jan. 30, 37 (calf).—von Ratz, 1893, 249 (horse).—Rec. d. méd. vét., Par., 1885, Jan. 15, 60–62 (pork).—Rivolta, 1884, v. 16, 20–28, pl. 1 (cat and dog).—Sons., 1895, 1157–1160 (*Carnivora*); 1896, v. 20, 709.—Stoss., 1892, 1–42.—Tright, 1885, Apr., 84–85 (dog).—Villot, 1875, 467 (*Delphinus delphis*).—Welsch, 1881, June 15, 97 (pork).—Willach, 1892, Apr., 131 (lungs, horse); 1892, 118–124 (horse); 1892, 239–241 (bull); 1893, Sept. 1, 289 (horse); 1893, v. 8 (6–7), 80 (cattle).
- , in man (*Homo*): Askanazy, 1904, May 28, 897; 1904, July, 210; 1904, July 1, 74–75.—R. Bl., 1888a, 631.—Braun, 1894i, 602–606.—Lankester, 1857b, 433–437.—Mueller, 1842, v. 2, 559; 1842, 85 (foetus: spinal marrow).—Poir. 1888, v. 8.1, 49.—Sons., 1895, 1157–1160; 1896, v. 20, 709.—Tommasi (1881, fasc. II).—Valentin, 1840, 317–319 (foetus: spinal canal).
- , in reptiles: Heymann, 1905, v. 22 (1–2), 81–100, figs. 1–5 (*Chelonien*); 1905, 25 pp.; 1905, 96–97, fig. a (sp. in *Dermatemys mawii*); 1906, Jan. 30, 41.—Luehe, 1900aa, 555–566 (snakes and lizards); 1900bb, 928–930.—Sons., 1892 (*Zamenis viridiflavus*).—Stoss., 1895, v. 16, 213–239.—Voltz, 1899, Oct., 231–240, pl. 20 (snakes).
- , larvæ of: Calkins, 1901b, 8, 12.
- , new species of: Bell, 1887a, Feb., 116–117.—Cohn, 1902h, 877–882, figs. 1–5.—Erc., 1875a; 1875b; 1875g (in dogs).—Koelliker, 1849b.—Lopez, 1888a, 137–138.—Par., 1896, 1–19; 1896, Sept., 162–180, figs. 1–7.—Pratt, 1903, 23–38; 1905, Feb., 58.
- , reproduction of: Ben., 1858d, 858 (fertilization); 1858e, 159–160, 223–224; 1858h, 312–314.—Fielde, 1888a, 115.—Linst., 1904p, 252–254, figs. 1–4; 1906, Jan. 30, 42.—Ward, 1903, 864.
- , species of: Braun, 1892a, 761; 1893a, 826.—Lint., 1898, 540 (larva), pl. 53, figs. 12–13, pl. 54, fig. 1; 1898, 537–538, pl. 53, figs. 1–2; 1900, 269, 295, 296, pl. 39, figs. 71, 72–81.—Linst., 1906, 174.—Looss, 1899, 521.—Ssinitzin, 1904, 768, fig. c (n. g.).—Staff., 1902, 481.—Wedl, 1857, 247–248, pl. 1, fig. 8.—Weltner, 1896, 199–200.—Wolffhugel, 1900, 36.
- acanthocephalum* Stoss., 1887, 94, pl. 10, fig. 40 (in *Belone acus*; Triest).—Braun, 1892a, 583, 584, 736; 1893a, 874, 911.—Looss, 1899b, 578, 580 (to *Tergestia*).—Mont., 1893, 102.
- acanthoides* Rud., 1819a, 114, 415–416 (in *Phoca vitulina*; Berlin).—Braun, 1901e, 315–316.—Cobbold, 1860a, 33 to Echinost.; 1879, 313.—Dies., 1850a, 382.—Duj., 1845a, 424.—Stoss., 1892, 29 (to Echinost.).
- acervocalcaphorum* Erc., 1881c, 21 (for *acervocalciferum*); 1882a, 257.

## DISTOMA—Continued.

- acervocalciferum* Gastaldi, 1854, 6-7, pl. 1, figs. 6-9 (in *Rana esculenta*).—Braun, 1893a, 870.—Cobbold, 1860a, 18.—Dies., 1858e, 340-341 (in *Pelophylax esculentus*).—Linst., 1875, 193.—Rizzo, 1902, 29-30, fig. 2 (in *Tropidonotus natrix*).—Stoss., 1889, 68.
- acervocalciferum* ranæ esculentæ Gastaldi, see Dies., 1855, 64, footnote 11.
- acervocalcoforum* Linst., 1875a, 193 (for *acervocalciferum*).
- acervocalcophorum* Erc., 1881e, 20; 1882a, 256 (for *acervocalciferum*).
- actæonis* Pag., 1862, 306, pl. 29, fig. 5a (in *Acteon viridis*; Cette).
- aculeatum* Nitzsch, in Giebel, 1857, 266 (in *Strix bubo*).—Braun, 1901a, 14.—Stoss., 1892, 177 (in *Bubo maximus*).
- acutum* Leuck., 1842, 33-34, pl. 1, figs. 7a-b (in *Mustela putorius*).—Braun, 1893a, 877, 881; 1893d, 467; 1901e, 324.—Cobbold, 1860a, 8 (November).—Dies., 1850a, 364.—Duj., 1845a, 439.—Moniez, 1890e, Mar. 1, 242; 1890f, 1; 1890g, Apr. 29, 542-543.—Stoss., 1892, 34 (in *Putorius communis*).
- [*adriaticum* von Dr., a tunicate.]
- aduncum* Lint., 1905, 327, 333, 409, figs. 195-197 (in *Opsanus tau*; Beaufort, S. C.).
- advena* (Duj., 1843) Braun, 1892a, 772 [type of *Brachylaima* 1843]; 1893a, 831, 864, 880, 894.—Gamb., 1896a, 71.—Reported for *Sorex araneus*, Linnæus.
- æglefini* Ben., 1870, 57.—Braun, 1892a, 728, 734, 759.—Linst., 1873e, 99.—Mont., 1893, 193.—Reported for *Gadus euxinus*, *G. æglefinus*, *G. morrhua*, *Merlangus vulgaris*.—[See also next entry.]
- æglefini* (Mueller, 1776) Zed., 1803a, 211 (in *Gadus æglefinus*; int.).—Dies., 1850a, 343 [syn. of *D. simplex* Rud.].—Nicoll, 1907, 73.—Rud., 1809a, 370 (renamed *D. simplex*).—[Type of *Sinistroporus*, 1904.]
- ægyptiacum* Looss, 1896b, 33-36, 192, 196, pl. 3, fig. 16, pl. 11, figs. 117-118 (to Fasc.).
- æquale* Duj., 1845a, 410 (in *Strix flammea*) to (*Brachylaimus*).—Braun, 1892a, 767; 1901e, 341.—Cobbold, 1859d, 365 (in *Strix perlata*); 1860a, 14 (in *S. perlata*); 1861, 118; 1879, 447.—Dies., 1850a, 363.—Looss, 1899, 650 (perhaps a *Clinost.*).—Mont., 1893, 155.—Stoss., 1892, 174 (to *Mesogonimus*).
- affine* Dies., 1850a, 359 (in *Lampris guttatus*; Groningæ) [nec Rud., 1819a], 680 (renamed *dicorynnum*) (Monost. tenuicollæ Rud., 1819, renamed [not *Dist. tenuicollæ* Rud., 1819a]); 1859c, 430.
- affine* Rud., 1819a, 110, 406 (in *Perca cirrosa*; Arimini) [nec Dies., 1850a] (to *Dero-genes*).—Baird, 1853a, 54 (*D. appendiculatum* Rud.?).—Carus, 1884, 131.—Cobbold, 1860a, 27 (in *Scorpena cirrhosa*).—Dies., 1850a, 371 [nec Dies., 1850a, 359].—Luehe, 1901, 479.—Odhn., 1905, 364.—Stoss., 1886, 44.—Wagener, 1860, 190 (in *Perca cirrhosa*).
- agamos* Linst., 1872, 1-5, pl. 1, figs. a-c (in *Gammarus pulex*); 1877, 185; 1878a, 315 (in *Gam. pulex* L.).—Jackson, 1888, 648 (in *G. p.*), 652.—Looss, 1885b, 36; 1894, 175.
- alacre* Looss, 1901, 401-402, 403, fig. 2 (in *Labrus maculatus*, *L. merula*, *Crenilabrus pavo*, *C. quinquemaculatus*, *C. griseus*).
- alatum* (Gœze, 1782) Zed., 1800a, 177-180; 1803a, 213.—Anacker, 1892c, 94.—Blainv., 1824a, 519 (a holostome).—Brand., 1888a, 9, 60 (to *Hemist.*).—Crep., 1829, 66-67; 1837, 310; 1839, 287.—Dies., 1850a, 308 (to *Hemist.*).—Fischer, 1840, 158.—Gurll, 1831, 375-376, pl. 8, figs. 39-40.—Lamouroux, 1822a, 194; 1824a, 563 (*Distome ailé*).—Mehlis, 1831, col. 184.—Nitzsch, 1819, 399 (to *Holost.*).—Nord., 1840, 628 (*Holost. alatum*).—Olfers, 1816, 46.—Rud., 1809a, 400, 402-404 (includes *Plan. alata* Gœze, 1782; *Alaria vulpis* Schrank, 1788 [type of *Alaria*]; *Fasc. vulpis* Gmelin, 1790; *Dist. vulpina* Abild., 1790; *Festucaria alata* Schrank, 1790; *Fasc. alata* Rud., 1793); 1819a, 112, 412-413.—Also reported for *Canis lupus* and *C. vulpes*.
- albicollæ* Rud., 1819a, 98-99, 376-377 (in *Falco pennatus*; Mus. Vien.).—Braun, 1893a, 875; 1901, 561, 562; 1902b, 99 (to *Dicrocoelium*).—Brenser, 1824, pl. 9, figs. 3-4.—Cobbold, 1860a, 12.—Crep., 1837, 310.—Dies., 1850a, 348.—Duj., 1845a, 393.—Rail., 1900, 239, 240.—Stoss., 1892, 156 (*D. macrocœlum* Rud.).—Also reported for *Aquila pennata*.
- albidum* Braun, 1893e, 347-355 (to *Dicrocoelium*) (in *Felis domestica*); 1893f, 390, 391, 392, 424, 427, fig. 2; 1894g, 129; 1894i, 606; 1895b, 151.—Askanaazy, 1900b, 498, 501; 1901, 72; 1906, 128 (in cats fed on fish; intermediate host).—de Jong, 1896a, 3, 4.—Looss, 1899b, 564-565 (type of *Metorchia*), 677.—

DISTOMA—Continued.

- Moniez*, 1896, 139, 140.—Mueh., 1898, 15, 23 (in *Halichærus grypus*), 87, 88, 89 (cf. *D. crassiusculum*).—Ratz, 1900, 141.—Stiles & Hass., 1894e, 424–425, pl. 1, figs. 1–2.—Ward, 1895, 341.
- alboceruleum* Stoss., 1889, 28–29 (in *Sargus salviani*; Triest); 1898, 37.
- album* Stoss., 1890, 42, pl. 16, fig. 73 (in *Cantharus orbicularis*; Triest); 1898, 49; 1901, 94.—Braun, 1891d, 424 (in *C. orb.*).—Looss, 1899, 571 (may belong to *Creadiinae*, possibly to *Creadium*).—Mont., 1893, 85, 86, 94, 102.—Odh., 1905, 328.—Also reported for *Cantharus vulgaris*.
- allostomum* Dies., 1850a, 367 (in *Tropidonotus natrix* var.) (includes *D. colubri murorum* Rud., 1819a).—Braun, 1893a, 863.—Cobbold, 1860a, 20.—Erc., 1881e, 67, 68, 69, 70, 73; 1882a, 303, 304, 305, 306, 309 (larva in *Helix carthusianella*).—Mont., 1893, 187.—Par., 1894, 147.—Stoss., 1895, 229.—Also reported for *Natrix torquata*, *Tropidonotus viperinus*.
- aloyisæ* Stoss., 1885, 161, pl. 6, fig. 28 (in *Corvina nigra*; Triest); 1886, 24; 1898, 56; 1899, 15.—Braun, 1892a, 567, 663, 737, 1902b, 31.—Looss, 1899, 581.
- altomon* Ben., 1870, 48, for atomon.
- aluconis intestinale* Rud., 1819a, 119 (in *Strix aluco*).—Dies., 1850a, 396.—Duj., 1845a, 442.—Stoss., 1892, 173, syn. of *Echinost. apiculatum* (Rud.) Cobbold.
- aluconis thoracicum* Rud., 1819a, 119 (in *Strix aluco*).—Dies., 1850a, 396.—Duj., 1845a, 442.—Stoss., 1892, 177.
- americanum* (Hass., 1891) Stiles, 1892e, 148; 1892f; 1892g, 732–733; 1898a, 51 (syn. of *Fasc. magna*).
- amphileucum* Looss, 1896b, 55–60, pl. 4, figs. 31–35 (in *Naja haje*; Alexandria, Egypt); 1899b, 565 (to *Metorchis*).
- amphiorchis* Braun, 1899b, 719 (in *Thalassochelys corticata* at Triest; *Chelone mydas*; *Podocnemis expansa*); 1899e, 629; 1901b, 20, 36.—Looss, 1899b, 568, 569 (type of *Anadasmus*); 1902, 463 (to *Orchidasma*).
- amphistoma* Nord., 1840, 616 [probably lapsus].
- amphistomoides* Bojanus, 1817b, 270–277, pl. 9, figs. 1–6 (in *Castor fiber*) (*Dystoma*).—Baird, 1853a, 43 (= *Amphist. subtriquetrum* Rud.).—Dies., 1836, 248; 1850a, 402 (syn. of *Amphist. subtr.*).—Fischder., 1902a, 42 (syn. of *Cladorchis* (*Stichorchis*) *subtriquetrum*).
- ampullaceum* Buttel-Reepen, 1900a, 586–596, 597, 598, figs. 1–7 (in Cetacean; Indian Ocean); 1902, Dec. 8, in 165–236; 1902, pl. 6, fig. 25; pls. 7–10, figs. 27–53; text figs. b–g; 1904, Jan. 26, 24–25; 1905, July, in 52–53.—Darr, 1902, 698.
- anarrichæ* Jacoby, 1900, 13, see *anarrhichæ*.
- anarrhichæ* Rud., 1819a, 121–122 (*D. anarrhichæ lupi* Rathke, from intestine, renamed).—Dies., 1850a, 398 (possibly syn. of *D. appendiculatum*).
- anarrhichæ lupi* Rathke, 1799, 70, 146, pl. 2, figs. 3, a, b (in *Anarrhichas lupus*).—Dies., 1850a, 339, from stomach (syn. of *D. incisum* Rud.).—Jacoby, 1900, 12.—Rud., 1809a, 361, from stomach (syn. of *D. incisum*), 435–436 (see *anarrhichæ*).
- anatis* (Schränk, 1788) Zed., 1800a, xvii, 164, 196–198.—Dies., 1850a, 383 (syn. of *D. echinatum* Zed.).—Looss, 1899b, 680.—Rud., 1809a, 418 (syn. of *D. echinatum* Zed.).
- anatis domesticæ* Rud., 1809a, 431–432 (*Hirudo fasciolaris* Mueller, *Fasc. anatis* Bruguière, 1791, renamed); 1819a, 121.—Dies., 1850a, 335 (syn. of *D. ovatum* Rud.).
- anatis fuscæ* Viborg, 1795, 243 (at Copenhagen).—Dies., 1850a, 397–398.—Duj., 1845a, 450.—Knoch, 1862e, 104.—Rud., 1809a, 431; 1819a, 120–121.—Stoss., 1892, 167, syn. of *Echinost. echinatum* (Zed.) Cobbold.
- anceolatum* Braun, 1892a, 677 (for *lanceolatum*).
- anceps* Mol., 1859, 845–846 (in *Fulica atra*; Padua).—Stoss., 1892, 168 (to *Echinost.*).
- ancyli lacustris* Dies., 1855a, 400 (to *Cercariæum*), based on Baer, 1827b, 656 (in *Ancyclus lacustris*).
- andersoni* Cobbold, 1876, 46, pl. 10, fig. 3 (in *Platanista gangetica*); 1879, 420.—Linst., 1886, 125.—Stoss., 1892, 19 (to *Brachylaimus*).
- anguilla* (Gmelin, 1790) Zed., 1803a, 222, in *Anguilla*.—Dies., 1850a, 340 (=? *D. polymorphum* Rud.).—Nord., 1840, 618 (to *Fasc.*).—Rud., 1809a, 363 (syn. of

## DISTOMA—Continued.

- D. polymorphum*): 1814a, 101; 1819a, 369 (of Abildgaard, as ? syn. of *D. polymorphum*).—Thompson, 1844, 439 (in *Anguilla conger*).  
*anguillula* Dies., 1850a, 340 (syn. of *D. polymorphum*), lapsus for *anguilla*.  
*anguis* Linst., 1885, 250–251, pl. 15, fig. 27 (in *Anguis fragilis*).—Braun, 1892a, 642, 663, 693.  
*angulatum* Duj., 1845a, 401–402 to (Podocotyle [type]) (in *anguille*) [not Fasc. *angulata* Mueller, 1776].—Braun, 1893a, 910.—Cobbold, 1860a, 29 (in *Anguilla vulgaris*).—Dies., 1850a, 379.—Kroyer, 1846–1853a, 641 (in *Ang. migratoria*).—Looss, 1902m, 757, 770, 771 (possibly only one testicle), 772, 827 (type of Podocotyle).—Luehe, 1900, 487, 491, 492.—Odhn., 1905, 320, 321 (syn. of Pod. atomon).—Stiles, 1901r, 193.—Stiles & Hass., 1898a, 92, 93, 97 (type of Pod.).—Stoss., 1886, 17; 1902, 582.  
*angusticollis* Hausmann, 1896a, 391–392 (in *Cottus gobio*; Basel); 1897b, 4, 6, 20, 22, 24–29, 31, pl. 1, figs. 1–3.—Looss, 1899b, 571 (to Creadium: possibly identical with *D. commune* Ols., 1868, 31).—Odhn., 1901, 483, 502.  
*angustum* Staff., 1900, 407–408, fig. 6 (in *Chrysemys picta*).  
*aniarum* Leidy, 1891a, 414 (in *Tropidonotus sipedon*).  
*annulatum* Dies., 1850a, 386–387 (in *Gymnotus electricus*; Brazil); 1855, 67–68, pl. 3, figs. 18–21; 1858e, 347.—Braun, 1892a, 571, 584.—Cobbold, 1860a, 36 (to Echinost.).—Looss, 1899b, 595.—Mont., 1888a, 14.—Stoss., 1886, 36.  
*annuligerum* Nord., 1832a, 43, 53–54, 55, 102, pl. 1, figs. 4–10 (in *Flussbarsch*).—Braun, 1893a, 871.—Cobbold, 1860a, 28; 1879, 458.—Crep., 1837, 310, 313, 326.—Dies., 1850a, 377.—Duj., 1845a, 455.—Gescheidt, 1833a, 431.—Kroyer, 1838–1840a, 21 (in *Perca fluviatilis*).—Leuck., 1863a, 526.—Moul., 1856, 218–219 (in eye of perch).—Steenstrup, 1842, 59.—Stoss., 1886, 44 to (*Brachylaimus*).  
*anonymum* Dies., 1858e, 341 (in *Gadus aeglefinus*, *G. euxinus*, *Merlangus vulgaris*, *M. carbonarius*; Ireland) (includes *D. Gadus aeglefini*, *Merlangi vulgaris*, et *M. carbonarii* based on Bellingham, 1844a, 428).—Cobbold, 1860a, 25.—Stoss., 1886, 45.  
*anthos* Braun, 1899b, 720 (in *Chelonae*; Yedo); 1901b, 27–29, 33, figs. 20–22, 24, 31.—Looss, 1899b, 575 (appears to be closely related to Echinost.); 1901i, 565, 566; 1902m, 458, 462 (type of *Calycodes*).  
*apertum* Rud., 1819a, 108, 400–401, 779 (in *Apogon ruber* = *Mullus imberbis*; Naples).—Cobbold, 1860a, 27.—Dies., 1850a, 370.—Duj., 1845a, 422 to (*Apoblema*).—Mont., 1891, 522.—Stoss., 1886, 45.—Wagener, 1860, 189 (in *Mullus imberbe*).  
*apiculatum* (Rud., 1803) Rud., 1809a, 423, to (*Echinost.*) includes *D. stridula*, 1801 (in *Strix stridula*, *S. flammea*); 1819a, 116, 119.—Braun, 1893a, 874.—Cobbold, 1860a, 35 (to *Echinost.*) (in *Strix aluco*, *S. flammea*).—Crep., 1837, 311.—Dies., 1850a, 386 (in *Strix aluco*, *S. flammea*; *Gryphae*).—Duj., 1845a, 425–426.—Giebel, 1857, 266.—Looss, 1899, 703.—Olfers, 1816, 46.—Stoss., 1892, 173 (to *Echinost.*).  
*apodis* Packard, 1882, 142, fig. 1 (in egg sacks of *Apus*).  
*apolaimum* Heymann, 1905, Mar. 25, 91–94, pl. 6, figs. 4–5 (in *Kachuga tectum* (Gray), small intestine); *λαιμός*, Schlund.  
*appendiculata* Leidy, 1877, 202 (in *Helix arborea*) [nec Rud., 1802]; 1891a, 416 (syn. of *D. centrappendiculatum*).  
*appendiculatum* (Rud., 1802) Rud., 1808a, xxiv [descr. of pls.], pl. 5, fig. 2 [nec Frølich, 1802]; 1809a, 387, 400–401, 405, 407, 438, pl. 5, fig. 2; 1819a, 110, 122, 404–406.—Baird, 1853a, 54.—Bellingham, 1844a, 425.—Ben., 1858a, 1861a, 178, 189; 1870, 16, 30, 66.—Braun, 1891d, 423 to (*Apoblema*); 1892a, 705; 1893a, 853, 864, 879, 911; 1893d, 468; 1902b, 124.—Cobbold, 1858b, 158; 1860a, 20.—Crep., 1837, 310, 313, 326; 1839a, 288.—Dies., 1850a, 342, 370–371, 398 (includes *Apoblema* ap. Bl., Fasc. *alose* Hermann, *F. clupee* Schrank, *F. ap.* Rud., *F. crenata* Rud., *Dist. clupee* Zed., *D. clupee* rhenanae Rud., *D. crenatum* Rud., *D. varium* Eysenhardt); 1858d, 268 (larva *Histricella echinocerca* Dies.); 1858e, 342 (in *Acipenser sturio*, *Ammodytes lancea*); 1859c, 431–432.—Duj., 1845a, 420–421 to (*Apoblema*).—Fil., 1855b, 19.—Fraip., 1880b, 106; 1881b, 4.—Gamb., 1896a, 71.—Hausmann, 1897b, 4, 6, 20, 22, 38–39, pl. 1, figs. 11–12 (in *Trutta salar*).—Johnstone, 1907, 180–182, fig. 14 (in *Gadus merlangus*; Shoals).—Juel, 1889, 4, 7.—Kroyer, 1838–



## DISTOMA—Continued.

- 1840a, 187, 578, 582, 583, 595, 605, 609, 611; 1843–1845a, 444, 488, 581; 1846–1853a, 218, 253, 641; 1852–1853a, 778, 1219 (in *Gasterosteus aculeatus* L., *Perca fluviatilis* Linn., *Trigla hirundo* Linn., *Cottus scorpius* Linn., *Scomber scombrus* Linn., *Gadus morrhua* Linn., *Lota vulgaris* Cuv., *Platessa flesus* Linn., *Rhombus maximus* Linn., *Solea vulgaris* Cuv., *Salmo salar* Linn., *Alosa finta* Cuv., *Esox lucius* Linn., *Anguilla migratoria* Kroyer, *Acipenser sturio* Linn., *Clupea harengus* Linn.)—Lander, 1904a, 14, to (*Hemimurus*).—Leuck., 1863a, 453, 454, 481.—Levin., 1881a, 9, 58–59, 59 (Rud. of Olsson, 46, syn. of D. a. Rud. Mol.), 61, 64 (includes *D. ventricosum* Wagener, D. ap. Rud. of Olsson) (in *Cottus scorpius*, *Gadus ovak*).—Linst., 1903, 354.—Lint., 1900, 269, 283, 289, pl. 36, figs. 25–26; 1901, 408, 415, 418, 437, 439, 440, 445, 449, 459, 460, 467, 471, 475, 478, 482, 486, 487, figs. 312–314; 1905, 328, 333, 352, 365, 374, 378, 382, 393, 404, 405, 415, figs. 152, 153, 160 (in *Brevoortia tyrannus*, *Caranx hippos*, *Coryphæna equisetis*, *Lagodon rhomboides*, *Leiostomus xanthurus*, *Lophopsetta maculata*, *Orthopristis chrysopterus*, *Prionotus scitulus*, *P. tribulus*).—Looss, 1894a, 204; 1899b, 640 (type of *Hemimurus*).—Luehe, 1901n, 394, 396, 397, 398, 399, 401.—Mayer, 1841a, 17–18, pl. 3, fig. 12.—Mol., 1858, 289 (in *Alausa vulgaris*; Patavii); 1859, 825–826 (in *Anguilla vulgaris*; Padua); 1861, 204–205, pl. 2, fig. 3.—Mont., 1888, 17, 38, 43; 1888a, 198; 1891, 9 (to *Apoblema*); 1891, 496, 497, 498, 499, 500, 501, 502, 522 (to *Apoblema*); 1893, 123.—Nicoll, 1906, 525.—Olfers, 1816, 46.—Olss., 1868, 46; 1876, 20; 1893, 11.—Sieb., 1842, 365.—Staff., 1902, 895.—Stiles & Hass., 1898a, 90.—Stoess., 1883, 115; 1885, 159; 1886, 47; 1886, 13; 1887, 90; 1887, 184; 1890, 40; 1902, 582.—Wagener, 1860, v. 1, 165–190, pls. 8–9.—Will.-Suhm., 1871 (3), 25 July, 380–396.—Reported also for *Acipenser sturio*, *Achirus fasciatus*, *Alausa finta*, *A. vulgaris*, *Alosa vulgaris*, *Anguilla vulgaris*, *Brosimius brosme*, *Capros aper*, *Centropages hamatus*, *Citharus linguatula*, *Clupanodon pseudohispanicus*, *Clupea alosa*, *C. sprattus*, *Coregonus oxyrrhynchus*, *Cottus bualis*, *Cynoscion regalis*, *Decapterus macarellus*, *Gadus aeglefinus*, *G. callarias*, *G. euxinus*, *G. melanostomus*, *G. minutus*, *G. morrhua*, *G. ovak*, *G. polachius*, *G. virens*, *Gobius jozo*, *Hippoglossus maximus*, *Labrax lupus*, *Lichia amia*, *Lophius piscatorius*, *Lota molva*, *Lucullus acuspes*, *Merlangus pollachius*, *M. vulgaris*, *Microgadus tomcod*, *Molva vulgaris*, *Myxocephalus aeneus*, *Paralichthys dentatus*, *Pomolobus mediocris*, *P. pseudoharengus*, *Prionotus carolinus*, *Pseudopleuronectes americanus*, *Saurus griseus*, *S. lacerta*, *S. saurus*, *Stenotomus chrysops*, *Stenophorus brownii*, *Torpedo marmorata*, *Trachurops crumenophthalmus*, *Urophycis chuss*.
- appendiculatum* Rud., 1819a, 404, c. p.—Odhn., 1905, 352 (syn. of *Brachyphallus crenatus*).
- appendiculatum* Rud. of Olss., 1868.—Levin., 1881, 59 (p. 46 Olss., syn. of D. a., Rud. of Mol.).—Odhn., 1905, 348 (syn. of *Hemimurus levinsoni*; includes D. a. "(c. p. ?) Levin., 1881, 58"), 351 (Olss., 1868, pl. 5, fig. 95, syn. of *Hemimurus communis* Odhn.; includes also D. a. Juel, 1889), 352 (Olss., 1868, c. p., syn. of *Hemimurus lühei* Odhn.).
- aquilæ* Leidy, 1887b, 24 (in *Haliaëtus leucocephalus*); 1904a, 197.—Braun, 1893a, 876; 1900h, 16, 42.—MacCallum, 1899, 706, 707.—Stiles & Hass., 1894, 414.
- arcantum* Nickerson, 1900, Oct., 811–815, fig. 1 (in *figs.*).—Staff., 1902, 482, to (*Pleurogenes*) (includes *D. medians* Olss., of Staff., 1900); 1902, 724; 1905, Apr. 11, 683 (type of *Loxogenes*).
- arcuatum* Duj., 1845a, 410–411 (in *Corvus glandarius*; Rennee) to (*Brachylaimus*).—Braun, 1901e, 341.—Cobbold, 1860a, 15.—Dies., 1850a, 389.—Looss, 1899b, 703.—Stoss., 1892, 151.—Wolffhuegel, 1900, 9, 24, 37, 38, 39, 40, 41, 42.—Reported also for *Corvus corone*, *Garrulus glandarius*.
- ardæ* (Gmelin, 1790) Zed., 1803a, 222.—Dies., 1850a, 388 (syn. of *D. ferox* Zed.).—Rud., 1809a, 432.
- ardæ minutæ* Pontallié (1853), to (*Cladocalium*).—Dies., 1855, 64, foot-note 5, to (*Cladocalium*).
- ardæ nigræ* Viborg, 1795, see Rud., 1809a, index (*D. hians* Rud.).
- ardæ stellaris* Rud., 1809a, 432–433 (*Fasc. ardæ* Gmelin, 1790, renamed); 1819a, 120.—Dies., 1850a, 388 (syn. of *D. ferox* Zed.).—Duj., 1845a, 447.—Stoss., 1892, 165, syn. of *Echinost. ferox* (Rud.).
- areola* Crep., 1825a, 53–54 (in *Fulica atra*); 1837, 317.—Braun, 1902b, 155, 156, 157, fig. 99.—Cobbold, 1860a, 15.—Dies., 1850a, 364–365.—Duj., 1845a, 447.—Linst., 1887, 104.—Stoss., 1892, 177.

## DISTOMA—Continued.

- areolatum* Rud., 1809a, 50, 401–402 (Fasc. platessæ Mueller, D. platessæ Zed.) (in Pleuronectes platessa); 1819a, 111, 408–409.—Carus, 1884, 126.—Cobbold, 1860a, 26.—Dies., 1850a, 352 (Fasc. platessæ Mueller, 52, pl. 78, figs. 1–5; D. platessæ Zed.).—Duj., 1845a, 467.—Kroyer, 1843–1845a, 275 (in Platessa vulgaris Cuv.).—Lint., 1900, 269, 279, 293–294, pl. 39, figs. 60–63; 1901, 415 (in Morone americana, Pseudopleuronectes americanus, Tautoglabrus adspersus), 422, 456, 462, 486; 1905, 328, 334, 379, 389, 391, 396 (in Bairdiella chrysura, Micropogon undulatus, Orthopristis chrysopterus, Sciaenops ocellatus).—Mont., 1893, 193.—Olfers, 1816, 46.—Stoss., 1886, 43, 60 to (Echinost.).—Wagener, 1860, 185.
- aristotelis* Stoss., 1892, 14–15 (D. chilostomum Mehlis of Ben., 1873b) (in Rhinolophus hippocrepis, Vespertilio murinus, V. desyncneme, V. daubentonii, V. emarginatus, V. mystacinus, Nannugo pipistrellus).—[Ben., 1873, 27.]—Braun, 1900, 221, 223, 388.—Stoss., 1892, 14, to (Brachylaimus).
- armatissimum* Linst., 1903, 280, fig. 15 (in Iguana sp.).
- armatum* (Rud., 1793) Zed., 1803a, 220.—Caruccio, 1886, 293.—Dies., 1850a, 382 (syn. of D. trigonocephalum Rud.).—Rud., 1809a, 416.—Stoss., 1892, 167 (Echinost. echinatum (Zed.) Cobbold).
- armatum* Mol., 1858, 130 [nec (Rud., 1793) Zed., 1803] (in Phasianus gallus; Pata-vii); 1861, 217.—Anacker, 1887c, 513 (in Gallus dom.).—Braun, 1893a, 874 (in Gallus dom.).—Dies., 1858c, 347.—Hass., 1896a, 2, 3 (syn. of Echinost. echinatum (Zed.)).—Landois, 1882, 23.—Schneidemuhl, 1896, 303 (in chickens).—Sons., 1889, 11 (in Gallina).—Stoss., 1898, 52.
- armatum* MacCallum, 1885, 401 (as variety of D. isoporum).
- armatum paludinae impuræ* Fil., 1857c, pl. 2, figs. 14, 15 [doubtless equals D. paludinae impuræ armatum].
- arrectum* Duj., 1845a, 403 (in Lézard vert), to (Brachycœlium).—Cobbold, 1860a, 20.—Dies., 1850a, 389–390 (in Lacerta viridis; Rhedoni).—Linst., 1873, 101; 1879, 185.—Looss, 1899b, 567, 568, 611, 614; 1902m, 816.—Luehe, 1899k, 536.—Mol., 1859, 831–833 (in Lacerta viridis, Rhedoni; Podarcis muralis, Padua).—Par., 1894, 147.—Stiles, 1901r, 197, 199, 201.—Stoss., 1895, 225–226.—Also reported for Lacerta muralis.
- arrectum* of Mol. [1859, 831–833], and of Stoss. [1895, 225–226], are, according to Looss, 1899b, 567–568, probably misdeterminations. Molin's form apparently belongs in Telorchis.—Braun, 1901a, 13.—Luehe, 1899, 530.
- ascidia* Rud., 1819a, 108, 399–400 [nec Ben., 1873] (in Sparus boops, S. pagrus; Arimini and Naples).—Barbagallo & Drago, 1903, 410, to (Brachylaimus) (in Box boops, Pagrus vulgaris; Catania).—Carus, 1884, 130.—Dies., 1850a, 369 (in Box vulgaris, Pagrus vulg.; Arimini and Naples).—Duj., 1845a, 458.—Looss, 1899b, 609.—Stoss., 1886, 45; 1898, 41.
- ascidia* Ben., 1873c, 328–329 (see D. lagena Brand.) [nec Rud., 1819a].—Brand., 1889b, 249, 250.—Braun, 1892a, 577, 618, 642, 663; 1893a, 864; 1900, 388; 1900b, 221, 223, 224, 225.—Cobbold, 1879b, 294.—Gamb., 1896a, 71.—Kowal., 1894, 2.—Linst., 1884, 140, fig. 25; 1885, 248–249; 1887, 102–103, pl. 2, figs. 4, 17f (in Vesperugo nathusii) (includes Cerc. armata Sieb.).—Looss, 1894a, 2, 125, 127, 167, 168, 181, 184, 185, 186, 212, 270, 275, pl. 3, fig. 52, pl. 4, figs. 72–73; 1896b, 86; 1898, 453, 454, 455, 457, 458, fig. 1, ii; 1899, 547, 556, 609 (type of Lecithodendrium), 610, 613, 618, 718.—Luehe, 1899, 536.—Macé, 1881, 421, in Vespertilio murinus; 1882, 62.—Stiles, 1901r, 200.—Stoss., 1892, 21 (in Plecotus auritus, Rhinolophus hippocrepis, Vespertilio dasyncneme, V. daubentonii, V. murinus, V. mystacinus, Vesperugo nathusi, Vesperus serotinus, Nannugo pipistrellus).—Also reported for Rhinolophus ferrum equinum, R. hipposideros, Limnaea stagnalis, Planorbis corneus, Ephemera, Perla, Chironomus plumosus.
- ascidioides* Ben., 1873, 332 (in Vesperugo noctula).—R. Bl., 1891, 467.—Braun, 1892a, 579; 1893b, 185 (in Vespertilio murinus); 1900, 221, 222; 1900, 388.—Cobbold, 1879b, 294.—Linst., 1885, 249–250; 1887, 103 (in Rhinolophus hipposideros).—Looss, 1894a, 2, 167, 168, 181, 182, 184, 185, 210, 211, 212, 275, pl. 3, fig. 51; 1896b, 86; 1898a, 453, 454, 455, 457, 458, fig. 1, i; 1899b, 547, 609, 610 (to Lecithodendrium).—Mont., 1892, 712.—Staff., 1902, 483 (in Vespertilio subulatus) to (Lecith.); 1905, Apr. 11, 692 (syn. of Lecith. chilostomum Mehlis).—Stiles, 1901, 200.—Stoss., 1892, 16 (in Rhinolophus hippocrepis, in Belgio; Vesperugo noctula; Vespertilio murinus; in Clarte-Dieu, Francia; Vesperus serotinus).

## DISTOMA—Continued.

- ascoidea* Leidy, 1877e, 201 (in *Planorbis parvus*) to (*Gymnocephala*); 1904a, 144.—Linst., 1889a, 122 (*ascoideum*).
- asperum* Wright, 1879, 57–58, pl. 1, figs. 3–5 (in *Ardea minor*).—Braun, 1892a, 583.—Mont., 1893, 94.—Stoss., 1892, 164 (to *Echinost.*).
- aspidophori* Ben., 1870, 34, pl. 4, fig. 16 (in *Aspidophorus europæus*).—Braun, 1892a, 643.—Stoss., 1886, 45.
- assula* Duj., 1845a, 398 (in *Coluber natrix*; Toulouse) to (*Dicrocoelium*).—Cobbold, 1860a, 20.—Dies., 1850a, 390.—Erc., 1881c, 78; 1882a, 314 (from *Tropidonoton*).—Kampmann, 1894b, 454.—Linst., 1879, 184.—Mont., 1893, 187, 188, 189.—Par., —, 147.—Stoss., 1895, 222.—Volz, 1899, 235, 237.
- atomon* (Rud., 1802) Rud., 1809a, 362–363 (in *Pleuronectes flesus*); 1810a, 328; 1819a, 95.—Ben., 1870, 48 (*D. altenmon*).—Braun, 1892a, 763, 764, 766; 1893a, 873.—Carus, 1884, 132.—Cobbold, 1858b, 160–161, pl. 32, figs. 30–32 (in *Hippoglossus vulgaris*); 1860a, 30.—Dies., 1850a, 340 (in *Platessa flesus*; *Gryphæ*); 1859c, 427–428.—Duj., 1845a, 466–467.—Kroyer, 1843–1845a, 297 (in *Platessa flesus*).—Linst., 1878, 225, fig. 7.—Mol., 1858, 288 (in *Platessa passer*; *Pata-vii*); 1859, 828; (in *Platessa passer*; *Padua*); 1861, 199.—Mont., 1893, 193.—Nicoll, 1907, 73 (to *Podocotyle*).—Odhn., 1901, 484, 485, 499, 502, 503, 506, 507, 508, 509, 511, 512, 513, 514; 1905, 320, 321 (to *Podocotyle*).—Olfers, 1816, 45.—Olss., 1868, 30.—Stiles & Hass., 1898a, 95.—Stoss., 1886, 33 (in *Anarrhichas lupus*); 1887, 185, 186; 1898, 47–48.—Wagener, 1860, 183, 188.
- atriventre* Weinland, 1856, 24 (in *Physa heterostrophæ*).—Braun, 1893a, 865.—Gamb., 1896a, 71.
- attenuatum* Rud., 1814a, 103, *F. longicollis* Abildg., renamed [later renamed *naja*] [nec Duj., 1845a].—Olfers, 1816, 46.
- attenuatum* Duj., 1845a, 392–393 [nec Rud., 1814] (in *Turdus merula*; Rennes) (includes ?*D. longicauda* Rud., ?*D. macrourum* Rud., ?*D. albicollis* Rud., ?*D. clathratum* Deslongchamps).—Braun, 1902b, 109.—Dies., 1850a, 345 (syn. of *D. macrourum* Rud.).—Rail., 1900, 240.—Schlotthauber, 1860, 129.—Stoss., 1892, 156.
- attenuatum* Bremser, MS., in *Rhynchops nigra*; Brazil.—Braun, 1901f, 563 (re-named *Microlistrum spinetum*); 1902b, 60.
- auriculatum* Wedl, 1857, 242–243, pl. 1, fig. 2 (in *Acipenser ruthenus*).—Braun, 1892a, 586; 1900, 231.—Carus, 1884, 128.—Cobbold, 1860a, 25.—Dies., 1858c, 343.
- auriculatum* Wedl of Lint., 1898, 521, pl. 45, figs. 1–7 (*U. S. Nat. Mus.* 4845); 1901, 415, 435.—Looss, 1902, 454 (of Lint., 1898) (probably a *Bunodera* and identical with *D. petalosum*).—Staff., 1904, May 3, 491 (of Lint., as syn. of *Acrodactyla petalosa* Lander).—Stoss., 1886, 18, 63 to (*Crossodera*).—See also *lintoni*.
- baccigerum* Rud., 1819a, 108, 398–399 (in *Atherina hepsetus*; Naples).—Braun, 1892a, 700, 720, 721, 734.—Carus, 1884, 129.—Cobbold, 1860a, 27.—Dies., 1850a, 369.—Duj., 1845a, 461.—Mont., 1893, 95.—Stoss., 1886, 45; 1889, 27; 1898, 44–45.
- bacillare* Mol., 1859, 834–835 (in *Centrolophus pompilius*; Padua).—Barbagallo & Drago, 1903, 410 (to *Dicrocoelium*) (in *Scomber scombrus*; Catania).—Braun, 1892a, 720, 737.—Carus, 1884, 130.—Looss, 1899b, 571 (this form, as described by Stoss., belongs to the *Creadiina*, possibly to *Creadium*).—Mont., 1893, 86, 94, 102.—Odhn., 1905, 328, 338.—Stoss., 1886, 31 to (*Dicrocoelium*); 1887, 92–93; 1898, 50.
- baculus* Dies., 1850a, 391 (in *Mergus albellus*) (*D. mergi* Rud., 1819a, 121, renamed).—Braun, 1892a, 584; 1893a, 911.—Cobbold, 1860a, 36, 163 (to *Echinost.*).—Linst., 1877, 183, pl. 13, fig. 15.—Stoss., 1892, 163.
- bæltzi* Cobbold, 1884g, 976 (syn. of *D. pulmonale* Bæltz).
- bagri incapsulatum* Wedl, 1861, 479–480, pl. 3, fig. 40 (in *Bagrus* sp.).
- baraldii* Sons., 1892, 91, 92, 93, 94 (in *Zamenis viridiflavus* Lacep.); 1893, 499; 1893, 184; 1896, 116.—Braun, 1893b, 185 (in *Z. vir.*).—Rizzo, 1902, 28 (in *Coluber viridiflavus*; Catania).—Stoss., 1895, 218–219, to (*Brachylaimus*).—Volz, 1899, 235, 237.—West, 1896, 323.
- barbatum* (Linn., 1761) Zed. of Rud., 1809a, 441.—[See Dies., 1850a, 573] (syn. of *Tetrabothriohynchus migratorius*).

## DISTOMA—Continued.

- batryophorum* Ben., 1870, 51, see botryophorum.
- beleocephalum* Linst., 1873, 104-105, 106, pl. 5, fig. 2 (in *Ardea cinerea*).—Stoss., 1892, 169 (to *Echinost.*).
- belones* Braun, 1893a, 871 (in *Belone vulgaris*), based on Wedl, 1855, 382-383.
- belones vulgaris* Dies., 1855, 64, based on Wedl, 1855, 382-383 (gives no specific name); 1858c, 355, 356 (in *Belone vulgaris*).—Carus, 1884, 128.—Stoss., 1886, 46.
- benedeni* Stoss., 1898, 51, for *benedenii*, 1887.
- benedenii* Stoss., 1887, 95, pl. 10, fig. 39 (in *Mugil chelo*); 1898, 51.—Braun, 1891d, 424; 1892a, 569, 698, 720.—Looss, 1894, 178; 1901, 439; 1902, 129, 130, 136, 137.—Mont., 1893, 82.—Sons., 1894, 254, 255.—[Type of *Haploporus* 1902.]
- bergense* Ols., 1868, 43-44, pl. 10, fig. 93 (in *Anguilla vulgaris*).—Ben., 1870, 83 (bergensis).—Odhn., 1905, 356, 357 (syn. of *Lecithaster gibbosus* (Rud.)).—Stoss., 1886, 24 (to *Brachylaimus*); 1902, 582.
- bergensis* Ben., 1870, 83, for *D. bergense*.
- beroei* Will., 1844, 343-344, pl. 10, figs. 10-13 (in *Beroe rufescens*; Triest).—Busch, 1851, 99 (in *Sagitta*; Triest).—Dies., 1850a, 381 (renamed *D. papillosum*).—Mont., 1893, 123.—J. Mueller, 1850, 497.—Pag., 1862, 298.
- betencourti* Mont., 1893, 33, 34, 35, 43, 52, 84, 85, 88, 91, 95, 96, 102, 106, 107, 114, 146, 171, 186, 190-193 (syns. *D. luteum* of Ben., 1870, 3; Stoss., 1886, 52; Mont., 1890, 432) (in *Scyllium*; Boulogne), pl. 8, fig. 121; 1896, 152.—Ariola, 1899, 8 (*D. luteum* Ben. as syn.).—Linst., 1903, 354.—Looss, 1894, 219; 1899b, 622.—Stoss., 1899, 10 (to *Pleurogenes*; syn. *luteum* Ben., in *Scyllium canicula*, S. stellare at Boulogne); 1904, 193-197.
- bicoronatum* Stoss., 1883, 113-114, pl. 1, figs. 1-3 (in *Ciconia nigra*); 1886, 34, 113 (to *Echinost.*); 1887, 186; 1890, 42 (= *D. cesticillus* Mol.); 1892, 64; 1898, 54.—Braun, 1892a, 571, 583; 1893a, 911; 1893b, 184 (in *Zeus faber*).—Carus, 1884, 127.—Looss, 1901, 599, 600.—Mont., 1888a, 14; 1893, 160, 161.—Sons., 1891, 258.—[1901 to *Stephanochasmus*.]
- bifurcatum* Wedl, 1861, 477-478, pl. 3, fig. 38 (in *Crocodilus vulgaris*; Egypt).—Brand., 1888a, 15; 1888, 57, to *Diplost.*
- bifurcum* Braun, 1899, 631 (in *Flusschildkröten*); 1901b, 13, 18 (to *Telorchis*).—Luehe, 1899, 529 (to *Telorchis*).
- bilharzii* Herff., 1894a, 415, for *Bilharzia haematobia*.
- bilosum* Leidy, 1858a, 111 (in a fish; America); 1904a, 112.—Dies., 1859c, 430-431.
- bilis* (Braun, 1789) Zed., 1803a, 214-215 (in *Falco melanaëtus*; Germany).—Braun, 1892a, 632.—Dies., 1850a, 376 (in *Falco chrysaëtos*, F. albicilla).—Rail., 1898, 412 (to *Campula*).—Rud., 1809a, 408 (renamed *D. crassiusculum*).
- bilobum* Rud., 1819a, 114, 416 (in *Tantalus falcinellus*; Mus. Vien.) (to *Echinost.*).—Braun, 1892a, 584.—Dies., 1850a, 385; 1858c, 347 (in *Ibis falcinellus*, *Platalea leucorodia*, *Fulica atra*); 1859c, 434.—Duj., 1845a, 431-432.—Mol., 1858, 291 (in *Ibis falc.*; Patavia); 1861, 218-219, 247, pl. 3, figs. 5, 8.—C. Par., 1887, 332.—Stoss., 1891, 216; 1892, 171 (to *Echinost.*).—Wedl, 1857, 246-247, pl. 1, fig. 7.—Also reported for *Plegadis falcinellus*.
- binode* (Mueller, 1776) Zed., 1803a, 215 (in a fish).—Dies., 1850a, 379.—Rud., 1809a, 439-440; 1819a, 123.
- bipartitum* (Wedl, 1855) Mont., 1893, 150.—[1902 to *Didymostoma*.]
- blanchardii* Cobbold, 1860a, 8, *Brachylemus erinacei* Blanchard, 1847, renamed (in *Erinaceus europeus*; Paris).—Stoss., 1892, 35 (syn. of *D. linguaforme* Dies.).
- blennii* (Mueller, 1776) Zed., 1803a, 211-212. Dies., 1850a, 344 (syn. of *D. divergens* Rud.).—Harz, 1881c, 11.—Rud., 1809a, 371 (renamed *D. divergens* Rud.).
- blicca* Linst., 1877, 185-186 (in *Blicca bjoerkna*).—Braun, 1893a, 871.—Stoss., 1886, 46.
- bolodes* Braun, 1902b, 11, 17, 18, 19, 74, figs. 12-13 (in *Fulica atra*; Rossitten (Kurische Nehrung)).
- bonniieri* Mont., 1893, 40, 42, 43, 49, 61, 82, 83, 84, 85, 86, 88, 89, 90, 91, 95, 102, 180-184, pl. 1, fig. 8, pl. 6, figs. 76-80 (in *Trigla gurnardus*; Wimereux), syn.

## DISTOMA—Continued.

- D. varicum* Mueller of Mont., 1889, 492, pl. 22, fig. 20.—Looss, 1894, 170; 1899b, 641, 642 (type of *Liopyge*).
- bosci* Cobbold, 1859d, 364, pl. 63, figs. 6–7 (includes *Fasc. colubri* Bosc, *Dist. colubri americani* Rud.) (in *Coluber* sp.); 1860a, 19; 1861e, 119; 1864, 22; 1879b, 455 (*boscii*).—Braun, 1893a, 872, 876 (*boscii*).—Staff., 1905, Apr. 11, 692 (belongs to *Zeugorchis*).—Stoss., 1895, 226.—Volz, 1899, 235, 238.—West, 1896, 322.
- boscii* Cobbold, 1879b, 455, for *bosci*, q. v.—Sons., 1892, 92.
- bothryophoron* Braun, 1892a, 700, for *botryophoron*.
- botryophoron* Olss., 1868, 42–43, fig. 92 (in *Cyclopterus*).—Ben., 1870, 51 (*batryophoron*).—Braun, 1889a, 367; 1892a, 643, 700 (*bothryophoron*), 721.—Lint., 1901, 415 (in *Clupea harengus*, *Pomolobus pseudoharengus*), 419, 437, 439, 444, 485, figs. 355, 356 (*bothryophoron*); 1905, 328, 334, 378, 397, 411, figs. 174–175 (*bothryophoron*) (in *Micropogon undulatus*, *Orthopristis chrysopterus*, *Paralichthys dentatus*).—Looss, 1899b, 729 (*bothryophoron*) (to *Hemirus*).—Odhn., 1905, 356 (syn. of *Lecithaster gibbosus* (Rud.)), 359 (type of *Lecithophyllum*).—Stoss., 1886, 21 (in *Cyclopterus lumpus*, *Argentina silus*, *Molva abyssorum*); 1896, 128 (*bothryophoron*); 1898, 40 (both.).
- brachysomum* Crep., 1837a, 314 (in *Hæmatopus ostralegus*); 1846, 134, 136, 142; 1849a, 1, 68.—Braun, 1892a, 578, 583, 710, 720, 721, 723, 728, 733, 736; 1893a, 865, 874, 879; 1900, 234; 1902b, 155.—Cobbold, 1879b, 438.—Dies., 1850a, 397; 1858c, 354 (in *Hæmatopus ostralegus*).—Gamb., 1896a, 71.—Jægers., 1898, 14; 1900, 738, 739; 1901, 982 (type of *Levinsonia*).—Linst., 1878, 133 (in *Hæmatopus ostr.*), 136 (in *Ægialites hiaticula*), 142 (in *Ardea cinerea*); 1882, 20–21; 1887, 104; 1889, 48 (in *Tringa alpina*), 50 (in *Æg. hiat.*), 55 (in *Fuligula cristata*), 56 (in *Glaucion clangula*); 1894b, 336 (in *Actitis hypoleucis*; Seeburger See).—Looss, 1894a, 175; 1899b, 620, 621, 622 (? type of *Levinsonia*); 1901b, 207; 1902m, 703, 704, 705, 706 (type of *Levinsonia* according to Luehe), 826.—Luehe, 1899k, 537, 538.—Mont., 1888, 94; 1893, 43, 83, 86, 95, 102.—Nicoll, 1906, 524.—Odhn., 1900, 13; 1905, 317.—Stiles & Hass., 1902d, 20 (type of *Levinsoniella*).—Stoss., 1892, 148 (includes *D. calidris* Rud.).—Villot, 1875, 475, 476; 1878, 22–24 (in *Anas glacialis*, *Ardea cinerea*), 27, 28, pl. 5, fig. 7 (in *Streptilas interpres*, *Tringa variabilis*).—Ward, 1901, 176, 184 (type of *Levinsonia* Stoss.).—Also reported for *Actitis hypoleucis*, *Anthura gracilis*, *Bucephala clangula*, *Charadrius calidris*, *C. hiaticula*, *Harelda glacialis*.
- bramæ* (Mueller, 1776) Zed., 1803a, 218.—Dies., 1850a, 341 (syn. of *D. globiporum* Rud.).—Harz, 1881c, 11.—Rud., 1809a, 365.
- brevicollæ* Crep., 1829b, 54–55 (in *Hæmatopus ostralegus*; Greifswald).—Braun, 1901, 944; 1902b, 11, 12 (to *Psilost.*), 14, 15, 23, 26.—Cobbold, 1859d, 364; 1860a, 14.—Dies., 1850a, 363–364.—Duj., 1845a, 445.—Linst., 1887, 104.—Mehlis, 1831, col. 176.—Mueller, 1897, 19, pl. 3, fig. 2.—Nicoll, 1906, 514 (in *Hæm. ostr.*).—Stoss., 1892, 35 *D. (Dicrocœlium)*, 177.
- brusinæ* Stoss., 1889, 25–26, pl. 14, fig. 60 (in *Oblata melanura*; Triest); 1898, 32; [1904, 197 (type of *Diphtherost.*)].—Braun, 1892a, 587, 700, 736; 1893a, 874, 910.—Looss, 1899b, 622, 623, to *Pleurogenes*.—Mont., 1893, 85, 86, 102.
- brusinæ* Looss, 1901d, 399, for *brusinæ* (in *Labrus merula*, *L. maculata*, *Crenilabrus pavo*, *C. griseus*, *C. quinquemaculatus*), 400–401; 1902h, 129.—Barbagallo & Drago, 1903, 410 to (*Brachycærum*) (in *Oblata melanura*; Catania).—Stoss., 1904, 195, 196, 197 (type of *Diphtherost.*).
- buccini* Fil., 1855b, 23.
- buccini mutabilis* Fil., 1855b, 17, pl. 2, figs. 17–18 (in *Buccinum mutabile*; Gulf of Gênes); 1857b, 433, pl. 2, figs. 17–18.—Dies., 1858d, 266 to *Cerc.* (*Acanthocephala*).—Par., 1894, 160.—Villot, 1875, 479.
- bufonis* Linst., 1877, 185 (in *Bufo vulgaris*).—Braun, 1893a, 870.—Stoss., 1889, 69.
- bursæ fabricius* Podwysoski, 1890, 157 (in *Gallus domesticus*).
- bursicola* Crep., 1837, 310, 311, 313 (in *Ardea cinerea*); 1846, 134.—Braun, 1893a, 876; 1893d, 467 (in *A. cin.*); 1901, 259 (syn. of *Echinost. cloacinum* Braun) (types in Creplin's collection, Zool. Museum, Greifswald); 1902b, 74.—Dies., 1850a, 397.—Hass., 1896a, 2 (syn. of *Cephalogonimus ovatus* (Rud.)).—Stiles, 1901k, 593; 1901l.—Stoss., 1892, 144 (syn. of *Cephalog. ov.* (Rud. Stoss.)); 1898, 23 (syn. of *Cephalog. ov.*).
- buski* Bl., 1888, 622–625, for *D. buskii*, q. v.

## DISTOMA—Continued.

- buskii* Lankester, E., 1857b, 437 (in *Homo*; from Asia).—Aitken, 1866, 804, syn. of *D. crassum* (Busk).—Bl., 1888a, 622 (includes *D. crassum* Busk, 1859 [nec Sieb., 1836], 623–625; 1891, 610 (buski) (syn. *D. rathouisi* Poir.).—Braun, 1895b, 141 (includes *D. crassum*): 1889a, 348; 1902b, 95; 1903, 3 ed., 153 (to *Fasciolopsis*): 1906, 159, 160, fig. 90 (buski).—Brunet, 1902a, 125 (buski).—Cobbold, 1858b, 167; 1860a, 5; 1866, 6; 1876, 303; 1879b, 20.—Gamb., 1896a, 63.—Huber, 1896a, 575–576.—Ijima, 1889, 131.—Kholodk., 1898, 26.—Leuck., 1863a, 587.—Linst., 1878, 3 (syn. of *D. crassum*).—Looss, 1899b, 557 (see *Fasciolopsis*).—Moniez, 1896, 86, 114–117, 118.—Rail., 1893a, 363, to (*Dicrocoelium*).—Simon, 1897, 209, 223.—Tyson, 1903, 3 ed., 1180.—Ward, 1895, 328 (in *Homo*); 1903, 867 (to *Fasciolopsis*); 1904, v. 39, 260.—Weinland, 1858, to *Dicrocoelium*.—Wood, 1904, v. 39, 260.
- buteonis* (Gmelin, 1790) Zed., 1803a, 221.—Dies., 1850a, 396 (in *Falco buteo*).—Duj., 1845a, 442.—Rud., 1809a, 430; 1819a, 119.—Stoss., 1892, 178.
- [*caeruleum* Sluiter, 1898, 4, 9, 14–16, pl. 2, fig. 4; pl. 3, fig. 11 (a tunicate).]
- cahirinum* Looss, 1896, 119–121, pl. 8, figs. 83–84 (in *Bagrus bayad*; Cairo); 1899, 752 (to *Haplorchis*).
- calceolus* Mol., 1858, 129 (in *Conger conger*, at Patavii); 1861, 210–211.—Braun, 1892a, 586.—Carus, 1884, 132.—Cobbold, 1860a, 25.—Dies., 1858, 342.—Stoss., 1886, 28 to (*Dicrocoelium*).
- calidris* Rud., 1819a, 120 (in *Scolopax calidris*).—Dies., 1850a, 323 (syn. of *Monost. mutabile* Zed.).—Duj., 1845a, 447.—Stoss., 1892, 148 (syn. of *D. brachysomum* Crep., 1846).
- callionymi* Ben., 1870, 53, pl. 4, fig. 8 (in *Calliomynus dracunculus*).—Stoss., 1886, 46.
- calyptrocotyle* Mont., 1891, 110; 1892, Oct. 7, 172, 176; 1893, 1–138, 171, 175, to (*Accacelum*), pl. 1, fig. 14; pl. 2, figs. 1–11; pl. 3, figs. 12–15, 17–21, 24–28, 30, 31; pl. 4, fig. 50; pl. 7, fig. 104; pl. 8, fig. 136 (in *Beroë ovata* Dch.); 1896, 151, 152.—Darr, 1902, 688.—Looss, 1894, 131, 142, 145, 165, 166, 189, 219; 1902, 639 (to *Orophocotyle*).
- campanulatum* Rivolta, 1884, 27, for *campanulatum*.
- campanula* Duj., 1845a, 435 (in *Esox lucius*; Rennes) to (*Crossodera*).—Cobbold, 1860a, 32 (= *D. nodulosum*).—Dies., 1850a, 381 (syn. of *D. nod. Zed.*): 1858e, 354; 1859c, 435, 436 (cf. *Gasterost. fimbriatum* Sieb.).—Kroyer, 1846–53a, 253; 1852–53a, 1221.—Moul., 1856a, 219 (in *Cyprinus idus*; Rennes).—Stoss., 1886, 42, to (*Echinoet.*).—Tennent, 1906, 638 (syn. of *Gasterost. fimb. Wag.*) (in *Esox*).—Wagener, 1858, v. 1, 250, pl. 9; 1860, 165 (syn. of *Gasterost. fimb.*).—Wedl, 1857, 233–244, pl. 1, fig. 3.—Ziegler, 1883, 538 (in *Cyprinus idus*).
- campanula* Linst., 1886a, 125, for *D. campanula* Cobbold.—Stoss., 1892, 16 (syn. of *D. oblongum* (Cobbold) Stoss.; includes *Campula oblonga* Cobbold, 1858), (in *Phocæna communis* at Warnemünde; and *Platanista gangetica* Cuv.).
- campanulatum* Erc., 1874, 432–439, pl. 1, fig. 7 (in *Canis familiaris*): 1875b, —; 1875c, —; 1875d, —; 1875e, —, 39–40 (in *Canis domesticus*): 1875f, 278; 1875g, —; 1876a, —.—Braun, 1893a, 875; 1893e, 348, 349, 351; 1893f, 386, 387, 389, 424 (= *D. truncatum* Rud.); 1893g, 802, 803.—Cobbold, 1879b, 300.—Jong, 1887a, in dog; 1887b, 223–224 in cat; 1890a, 140; 1896a, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, fig. 2.—Rail., 1890, 131 (in cat).—Schneidemuehl, 1896, 302 (*kampanulatum*).—Sons., 1889, 276, 277, 280, 281 (syn. of *D. conus* Crep.).—Ward, 1895, 341.—Zwaardemaker (1887), 265; 1888, 679.—Zuern, 1882, 220.
- campula* Cobbold, 1876q, 40, pl. 10, fig. 2, *Campula oblonga* renamed; 1879b, 418, 419, 423, fig. 68.—Braun, 1900g, 250.—Hoyle, 1890, 537.—Jackson, 1888, 648.—Looss, 1899, 558, 559, 560.—Mont., 1893, 44, 82.—Stiles, 1901r, 203.—Stiles & Hass., 1899, 102.—Stoss., 1892, 16 (syn. of *D. oblongum* Cobbold).
- canaliculatum* Rud., 1819a, 676 (in *Sterna* sp. = *galericulata* teste Dies.; Brazil).—Braun, 1901f, 561, 562; 1901g, 947; 1902b, 59, 140, 142, 144 (to *Bilharziella*).—Dies., 1850a, 346 (in *Sterna galericulata*).—Duj., 1845a, 449.—Stoss., 1892, 36, 178.
- canaliculatum* Mehlis, in Crep., 1846, 138 (in *Colymbus cristatus*).
- capense* Harley, 1864a, 55–72, figs. 1–16 (in *Homo*; Cape of Good Hope); 1864b, 173–175; 1864c, 156–157; 1864d, 161–163; 1864e, 515–517; 1864f, 142–143; 1864g, 302; 1864h, 293; 1865a, 68.—R. Bl., 1888a, 636 (syn. of *Bilharzia hematobia*).—Bourel-Roncière, 1888a, 130 (*capensis*).—Braun, 1903, 3 ed., 169.—

## DISTOMA—Continued.

- Chassaniol & Guyot, 1878a, 66.—Cobbold, 1864g, 157; 1879b, 39; 1885a, 499 (syn. of Bilh. hæm.).—Colloridi, 1891a, 856 (syn. of B. hæm.).—Almeida Couto, 1872, 4.—Crevaux, 1874a, 173 (capensis).—Duffek, 1902a, 774.—Hoyle, 1890, 538.—Huber, 1896a, 580 (syn. of Bilh. hæm.).—Leuck., 1876, v. 2 (3), 873.—Simon, 1897, 99.—Stiles, 1898a, 58.—Ward, 1895, 253 (syn. of Gynæcophorus hæm.) (in Homo).
- capitellatum* Rud., 1819a, 99, 379–380 (in *Uranoscopus scaber*; Arimini, Naples).—Braun, 1883a, 41; 1892a, 672; 1893a, 875.—Carus, 1884, 131.—Cobbold, 1860a, 26.—Dies., 1850a, 356–357.—Duj., 1845a, 456.—Jacoby, 1900, 2.—Looss, 1901, 656, 658.—Luehe, 1900, 504, 506.—Mont., 1888a, 17; 1893, 18, 32, 40, 41, 42, 43, 65, 66, 83, 84, 85, 95, 97, 102, 173–176, pl. 1, fig. 13, pl. 6, figs. 69–75, pl. 7, fig. 103.—Sons., 1890, 142 (in *Uran. sc. L.*).—Stoss., 1886, 46; 1886, 47; 1892, 64; 1898, 38–39.—Will.-Suhm, 1870, 8; 1871, 182.
- capsulare* Dies., 1858e, 355, based on Wedl, 1857, v. 26, 247, pl. 1, fig. 8 (in *Ardea purpurea*, *A. nycticorax*, *A. cinerea*, *Gallinula crex*, *Podiceps nigricollis*).—Braun, 1893a, 870.—Stoss., 1892, 176 (to Agamodist.).
- carinaria* della Chiaje (1841a), 139, pl. 109, figs. 29–30.—Carus, 1884, 133.—Mont., 1888a, 195, 196.
- carinatum* Zed., 1803a, 217 (in *Cyprinus*; *Perca fluviatilis*) (includes *Fasc. longicollis*, *Dist. cyprinaceum*, *F. lagena*, *F. jesis*).—Dies., 1850a, 341 (syn. of *D. globiporum*), 365 (pars, syn. of *D. inflexum*).—Looss., 1902, 763 (and *Sphærost. globiporum*).—Rud., 1809a, 365 (= *D. globiporum*), 366, 395 (pars = *D. inflexum*).—Stiles, 1901, 168.
- carnosum* (Hass., 1891) Leuck., 1892b, 798.—Braun, 1892a, 674; 1892, 563, *Dist. (Fasc.) carnosum*.
- carnosum* Rud., 1819a, 93, 366, 676 (in *Sparus dentex*; Naples).—Carus, 1884, 130.—Cobbold, 1860a, 22.—Dies., 1850a, 337 (in *Dentex vulgaris*).—Duj., 1745a, 458.—Mol., 1859, 833 (in *Dentex vulgaris*; Padua).—Stoss., 1885, 161; 1886, 23; 1898, 39; 1886, 59, to (*Brachylaimus*).—Also reported for *Corvina nigra*.
- carolinæ* Stoss., 1889, 26–27, pl. 13, fig. 55 (in *Alausa finta*; Trieste); 1898, 29.—Braun, 1891d, 423.—Looss, 1899b, 641 (= *Pronopyge ocreata*).—Mont., 1891, 17 (syn. of *Apoblema ocreatum*): 1891, 510, 512 (syn. of *Ap. ocr. Rud.*).—Also reported for *Alosa vulgaris*.
- caryocatactis* Zed., 1800a, 163, 168–169 (in *Corvus caryocatactes*); 1803a, 210.—Braun, 1901, 562; 1902b, 123, 125 (syn. of *Harmost. caudale*).—Dies., 1850a, 362 (syn. of *Dist. caudale*).—Rud., 1809a, 382.
- catervarium* Looss, 1896, 118–119, pl. 8, figs. 81–82 (in *Alosa finta*; Cairo).
- caudale* Rud., 1809a, 382–384 (*caryocatactis* Zed., renamed) (in *Corvus caryocatactes*); 1819a, 103.—Braun, 1893a, 874; 1901, 561, 562, 564; 1902b, 123, 124 (to *Harmost.*), 125 (of Mueller, 1897, 16 = *Urogonimus macrostomus*); 1902b, 128 (of Rud., 1809 = *Harmost. mesostomum*).—Cobbold, 1860a, 14.—Crep., 1837, 317; 1846, —.—Dies., 1850a, 362.—Duj., 1845a, 442.—Giebel, 1857, 266.—Leuck., 1863a, 477.—Looss, 1899b, 703.—Mont., 1893, 149.—Mueh., 1898, 99; 1898, 16.—Mueller, 1897, 16–17, pl. 2, fig. 7.—Olfers, 1816, 44.—Sieb., 1836, 234.—Stoss., 1892, 178.—Reported also for *Ampelis garrulus*, *Coracias garrula*, *Corvus glandarius*, *C. pyrrhocorax*.
- caudale* of Mueller, 1897, in *Coracias garrula*.—Braun, 1902b, 125 (syn. of *Urogonimus macrostomus*).
- caudale* of Will.-Suhm, 1870, 97 (in *Pyrrhocorax alpinus*).—Braun, 1902b, 124–125 (nec Rud.).
- caudatum* Polonio, 1859.—Par., 1894, 147 (in *Natrix torquata*, *Tropidonotus viperinus*; Padua), 627; 1896, 9–11, fig. 4, to (*Opisthorchis*).
- caudatum* Linst., 1873, 103–104, pl. 5, fig. 3 (in *Erinaceus europæus*): 1900, 85 (claims priority for *caudatum* over *leptostomum*).—Blochmann, 1892b, 649–652 (raised experimentally from a *Cercariæ* in kidney of *Helix hortensis*).—Braun, 1892a, 570, 723; 1893a, 831, 856, 857; 1901e, 338 (= *D. leptostomum* Ols.).—Cobbold, 1879, 295.—Gamb., 1896a, 71.—Hofmann, 1899a, 189, 196, 201.—Looss, 1894, 2, 236; 1899b, 652 (to *Heterolope*).—Mont., 1893, 149.—Roewer, 1906, 185.—Stoss., 1892, 17 (syn. of *D. leptostomum* Ols.); 1898, 24.
- caudatum* (Bosc, 1802) Steenstrup, 1859, 183.
- caudiporum* Rud., 1819a, 96, 370 (in *Zeus faber*; Arimini).—Dies., 1850a, 342, 371.—Duj., 1845a, 422 to ? (*Apoblema*).—Wagener, 1860, 181 (in *Zeus faber*).

## DISTOMA—Continued.

- caria* Sons., 1890, 100 (in *Cavia cobaya*); 1897, 250.—Braun, 1903, 3 ed., 147 (syn. of *Fasc. hepatica*); 1906, 150, fig. 83.—Rail., 1893a, 342 (syn. of *Fasc. hep.*).—Stiles, 1898a, 48.—Stoss., 1892, 7 (syn. of *Cladocelium hep.*).—Ward, 1895, 246 (syn. of *Fasc. hep.*). 328 (in *Homo*), 332 (in *Bos taurus*), 335 (in *Ovis aries*); 1903, 865 (syn. of *Fasc. hep.*).
- centra appendiculatum* Leidy, 1904a, 277, misprint for *centrappendiculatum*.
- centrappendiculatum* Leidy, 1891a, 416 (*D. appendiculata* Leidy, 1877, not Rud., renamed); 1904a, 237.
- cercatum* Mont., 1893, 40, 42, 43, 83, 95, 102, 157, host and locality not known, specimen in British Museum, to (*Urogonimus*).
- cerebrale* Yamagiwa, 1890, 457 (in *Homo*), for *D. pulmonum*, see *Paragonimus westermanii*.
- cesti veneris* Vogt., —, 299 (in *Cestum veneris*).—Braun, 1893a, 852.—Dies., 1858e, 356 (in *Cestum veneris*).—Mont., 1893, 124.
- cesticillus* Mol., 1858, 131 (in *Lophius piscatorius*; Patavii); 1861, —.—Braun, 1883a, 41; 1892a, 584, 672; 1901a, 34.—Carus, 1884, 127.—Dies., 1858e, 351–352.—Jacoby, 1900, 2.—Linst., 1903, 354.—Looss, 1899, 576 (type of *Stephanost.*), 581; 1901, 600.—Luehe, 1900, 505.—Mol., 1861, 221–223.—Mont., 1893, 41, 42, 61 (*cesticillum*), 160, 161.—Stoss., 1886, 34; 1890, 42 (*D. bicornatum* Stoss., 1883).—Will.-Suhm, 1870, 8.
- cestoides* Ben., 1870, 17, pl. 6, fig. 9 (in *Raja batia*).—Braun, 1893a, 873.—Linst., 1903, 354.—Lint., 1901, 415, 432.—Mont., 1893, 53.—Stoss., 1886, 46.
- cylindraceum* Looss, 1894a, 36, misprint for *cylindraceum*.
- charaxis* Stoss., 1886, 26 to (*Brachylaimus*) (in *Charax puntazzo*; Trieste); 1887, 91; 1898, 37.
- chefrenianum* Looss, 1896, 73–76, pl. 5, figs. 50–51 (in *Rhinopoma microphyllum* Geoff.; Ghizeh); 1898, 453, 454, 456, 457, 458, fig. 1 iii; 1899, 716, 717 to *Lecithodendrium*.—Stiles, 1901, 200.
- chefrenianum* Looss, 1896, pl. 5 (misprint for *chefrenianum*).
- chelonia atræ* Braun, 1899e, 629, see *D. pachyderma*.
- chelydræ* Staff., 1900, 406–407, fig. 5 (in *Chelydra serpentina*); 1905, Apr. 11, 690, type of *Auridist*.
- chilostomum* Mehlis, 1831, 186–187 (in bats).—Braun, 1892a, 577; 1900, 221, 222, 223; 1900, 387, 388.—Crep., 1837, 328.—Cobbold, 1860a, 7; 1879b, 294.—Dies., 1836, 240; 1850a, 349 (includes *D. noctulæ* Rud., 1819a, 119).—Kolenati, 1857, 11.—Linst., 1878, 225–226, fig. 8.—Mueh., 1898, 26.—Sieb., 1836, 234.—Stoss., 1892, 20–21 (in *Plecotus auritus*, *Vespertilio daubentonii*, *V. nattereri*, *V. murinus*, *V. mystacinus*, *Vesperugo discolor*, *V. leisleri*, *V. noctula*, *V. serotinus*).
- chilostomum* Mehlis of Ben., 1873b, 27, pl. 6, figs. 7, 8, 19.—Sieb., 1835, 56.—Stoss., 1892, 14 (syn. of *D. aristotelis*).
- chinense* Cobbold, 1876, 97 (*D. sinense*, renamed).
- chloropodis* Zed., 1800a, 164, 198–199 (in *Fulica chlorops*).—Dies., 1850a, 384 (syn. of *D. uncinatum* Zed.).—Rud., 1809a, 420.
- choledochum* Linst., 1883a, 306–307, pl. 9, fig. 49 (in *Anas* sp.); 1886, 30.—Braun, 1892a, 699; 1893a, 875; 1893, 353; 1893f, 426; 1894i, 602, 605.—Looss, 1896b, 58, 59; 1899b, 675.—Stoss., 1892, 161 (in *Anas* sp.; Turkestan).
- chrysaëti* Rud., 1819a, 119 (in *Falco chrysaëtus*).—Duj., 1845a, 441–442.—Stoss., 1892, 151 (syn. of *D. crassiusculum* Rud.).
- crystallinum* Hannover, 1864a, 3, for *crystallinum*.
- cignoides* Mont., 1888a, 40, 80, for *cygnoides*.
- cymbiforme* Mont., 1896, 165, for *cymbiforme*.
- cinctum* (Rud., 1803) Rud., 1809a, 422–423, to (*Echinost.*); 1819a, 116.—Ben., 1858a, 1861a, 85.—Cobbold, 1860a, 35, to *Echinost.* (in *Vanellus cristatus*, *V. melanogaster*).—Crep., 1837, 311, 312, 316.—Dies., 1850a, 386 (includes *D. tringæ helveticæ* Rud., *Fasc. ci.* Rud.) (in *V. crist.*, *V. mel.*).—Duj., 1845a, 431.—Giebel, 1857, 265.—Linst., 1887, 104.—Mueller, 1897, 19–20, pl. 3, fig. 3 to (*Echinost.*).—Nord., 1832a, 90.—Olfers, 1816, 47.—Olss., 1876, 21.—Stoss., 1892, 172 to (*Echinost.*); 1898, 53.
- [*circumvallata* Sluiter, 1900, 8 (a tunicate).]



## DISTOMA—Continued.

- cirratum* (Rud., 1802) Rud., 1808a, xxvi. pl. 6, fig. 7; 1809a, 376; 1819a, 100–101; spelled *F. cirrosum*, Rud., 1808a, 296.—Braun, 1893a, 874; 1901, 561, 563; 1902b, 37, 38 (syn. of *D. elegans*), 39, 43 (to *Plagiorchis*), 40, 44, 45, 47, 48, 49.—Cobbold, 1860a, 12.—(Rep., 1837, 317, 322, 326.—Dies., 1850a, 350 (includes *Fasc. cirrata* Rud.).—Duj., 1845a, 413 to (*Brachylaimus*).—Fil., 1855b, 8 (*cirrhatum*).—Jacoby, 1900, 20.—Looss, 1899, 703.—Luehe, 1899, 530, 531; 1901, 487.—Mueh., 1896, 589; 1896, 262–266, figs. 5, 12; 1898, 16, 27, 92.—Olfers, 1816, 44.—Stoss., 1892, 153 (includes *D. elegans* Rud., 1819a, *D. globocaudatum* Duj., 1845a); 1904, 2 (to *Plagiorchis*).—Reported also for *Ægiothus linarius*, *Corvus cornix*, *C. corone*, *C. monedula*, *C. pica*, *Larus marinus*, *Sturnus vulgaris*.
- cirrhatum* (Rud., 1802) Fil., 1855b, 8, for *cirratum*.
- cirrherum* Nord., 1840, 616, for *cirrgerum* 1827, q. v.
- cirrgerum* Baer, 1827, 553 (in *Astacus fluviatilis*).—Brand., 1891b, 264.—Braun, 1892a, 749, 751; 1893a, 859, 870 (*cirrherum*).—Crep., 1837, 325, 326.—Dies., 1836, 240; 1850a, 363 (syn. of *D. isostomum* Rud.).—Harz, 1881a; 1881b; 1881c, 1, 2, 3, 4, 7, 8, 9, 10, 11, 14.—Hoyle, 1890, 537.—Jackson, 1888, 648, 652.—Kampmann, 1894b, 452, 454, 457, 458, 459, 460, 462, pl. 20, figs. 11–13.—Linst., 1903, 281, 282 (*cirrherum*); 1904, 254.—Lint., 1892, 69–70.—Looss, 1893b, 814; 1894a, 230.—Marshall & Gilbert, 1905a, 480.—Mont., 1888a, 64.—Moul., 1856, 217 (in *Astacus fluviatilis*).—Mueh., 1898, 14.—Nord., 1840, 616.—Reinhard, 1871, 8 pp.—Schneidemuehl, 1896, 302.—Sieb., 1835, 56, 59, 64, 67.—Steenstrup, 1842, 56.—Warren, 1903, Dec., 273–301, pls. 24–26 (anat., development); 1904, 15 June, 311.—Wierzejski, 1888, in 20 pp., 1 pl.—Zaddach, 1881, 893; 1881, 1 Aug., 398–404; 15 Aug., 423–431.
- cirrosum* Rud., 1808a, 296, pl. 6, fig. 2 [=7] (for *D. cirratum*).
- cladocalium* Dies., 1858c, 354 (in *Ardea minuta*) [based on “*Distome* (*Cladocalium*) du foie du *Blongias*, Pontalié, 1853, 103”].—Braun, 1893a, 875.—Stoss., 1892, 178.
- clathratum* Deelongchamps, in Lamouroux 1824a, 563 (in *Cypselus apus*).—Braun, 1893a, 875, 910; 1899, 714; 1902b, 109 (= *D. refertum* Mueh.).—Cobbold 1860a, 15.—Dies., 1850a, 396.—Duj., 1845a, 393–394.—Jacoby, 1900, 10, 11.—Looss, 1899, 634 (to *Dicrocoelium*).—Mueh., 1898, v. 1, 22, 26, 84–85, 86, 87, pl. 4, figs. 7, 17.—Olas., 1876, 24.—Stoss., 1892, 155.
- clathratum* Deslongchamps of Olss.—Rail., 1900, 239 (syn. of *Dicrocoelium olsoni* Rail.).—Braun, 1902b, 100, 109.
- clava* Dies., 1850a, 356 (in *Eunectes scytale*, *Hydroscopus plumbeus*, *Coluber flaviventris*, *Cloelia fasciata*; Brazil): 1855, 66, pl. 3, figs. 7–8; 1858, 339.—Braun, 1892a, 568, 587; 1901b, 13, 58; 1901i, 58.—Cobbold, 1860a, 19.—Luehe, 1899, 524, 529 (type of *Telorchis*): 1900b, 151.—Sons., 1892, 92.—Stoss., 1895, 229–230.
- clavatum* (Menzies, 1791) Rud., 1808a, 260; 1809a, 387, 391–393 (includes *Hirudinella* Garsin, 1730; *Fasc. scombri pelamidis* Tilesius), 437; 1814a, 102; 1819a, 106, 122, 394–395, 682–683, 685.—Baird, 1853a, 59, 60 includes *Hirudinella clav.* (Menzies) Blainv.; *D. clav.* Owen = *H. ventricosa*.—Barbagallo & Drago, 1903, 410 (in *Pelamys sarda*; Catania).—Ben., 1870, 37.—La Billardiére, (1801), 46.—R. Bl., 1891r, 692–693, syn. *D. ingens* Moniez (in *Requim*).—Brand., 1891d, 16; 1898a, 208.—Braun, 1892a, 568, 571, 576, 588, 591, 592, 593, 597, 603, 605, 608, 609, 610, 611, 623, 624, 625, 630, 631, 632, 635, 636, 637, 638, 640, 641, 642, 645, 647, 664, 665, 669, 673, 675, 677, 682, 683, 684, 685, 686, 687, 688, 690, 698, 699, 700, 701, 705, 712, 713, 717, 719, 724, 726, 731, 733; 1893a, 873, 878; 1893b, 184; 1893d, 466.—Buttel-Reepen, 1900a, 585, 586, 589, 590, 592, 594, 598; 1902, 166, 167, pl. 6, figs. 7, 11a, 11b, 12; 1904, Jan. 26, 24–25; 1905, July, 52–53.—Carus, 1884, 131.—Chatin, 1887d, 1003.—Cobbold, 1860a, 21; 1867k, 200–205 (from sword-fish); 1879b, 458, 460, 461.—Crep., 1837, 316, 327.—Darr, 1902, 662, 664, 665, 666, 667, 689.—Dies., 1850a, 366–367 (includes *Hirudinella* Garsin; *Fasc. fusca* Bosc; *F. cl.* Menzies; *F. scombri pelamidis* Tilesius; *D. coryphænae* Rud.) (in *Coryphæna hippurus*; Brazil; *Pelamys sarda*, *Thynnus vulgaris*): 1859c, 431.—Duj., 1845a, 459–460.—Goto, 1891a, 181 (*Distonum*).—Jackson, 1888, 644, 646, 647–648.—Jägers., 1900, 72.—Jourdan, 1881a, 438–448, pls. 7–8, figs. 1–10 (anatomy); 1881b, 12 pp., pls. 7–8, figs. 1–10; 1881c, 604–605.—Juel, 1889, 13, 17, 18, 19.—Kroyer, 1838–1840a, 596 (in *Thynnus vulgaris*).—Lander, 1904a, 8.—Lint., 1898, 539–540, pl. 53, figs. 8–11; 1901b, 415, 421, 445, 448 (in *Thunnus thynnus*, *Xiphias gladius*).—

## DISTOMA—Continued.

- Looss, 1849a, 9, 113, 145, 147, 151, 152, 198, 202; 1895c, 69; 1896b, 204; 1899b, 556, 646, 739.—Moniez, 1892, 108–118.—Mont., 1888a, 23, 26, 30, 31, 38, 39, 42, 44, 47, 48; 1893, 7, 15, 20, 22, 26, 27, 33, 34, 44, 65, 66, 67, 68, 69, 73, 83, 86, 88, 89, 104, 106, 113, 135, 152.—Olfers, 1816, 46.—Osbeck, 1765, 392.—Owen, 1835, v. 1, 381–384, pl. 41, figs. 17–20; 1835, 72–73; 1837, 271–273, pl. 2.—Par., 1887, 334–335.—Poir., 1885, 4, 5, 6, 7–8, 9, 10, 14, 15, 16, 18, 22, 23, 25, 26, 27, 29, 32, 33, 37, 38, 39, 43, 45, 46, 47, 48, 51, 52, 54, 55, 56, 57, 58, 60, 62, 63, 70, 71, 73, 75, 77, 78, 79, 81, 83, 84, 88, 93, 95, 96, 97, 102, 103, 105, 107, 109, 110, 113, 116, 117, 118, 120, 121, 127, 130, 131, 133, 134, 138, 139, 142, 143, 144, 146, 147, 149, 150, 151, 152, pl. 23, fig. 1; pls. 24, 25, 26, figs. 1–3; pl. 27, fig. 1; pls. 28, 29, figs. 1, 3, 4; pl. 30, figs. 1–3; pl. 31, figs. 1–5.—Sieb., 1835, 68.—Stiles, 1901, 194 (type of *Hirudinella*).—Stoss., 1886, 46.—Wagener, 1860, 182, pl. 9, figs. 11–12 (in *Scomber pelamys*).—Ziegler, 1905, 39.—Also reported for *Scomber thynnus*.
- claviforme* Brand., 1888, 247–251, pl. 17, fig. 1 (in *Tringa alpina*).—Braun, 1892a, 568, 578, 586, 662, 700; 1893a, 874, 910.—Jacoby, 1900, 11.—Jägers., 1900, 739, 740.—Looss, 1899b, 618, 619, 620; 1902m, 704.—Luche, 1899, 537.—Nicoll, 1906, 524.—Odhn., 1900, 13.—Staff., 1905, Apr. 11, 692.—Stoss., 1892, 148–149 to (*Brachycœlium*).—Ward, 1901, 184.
- clavigerum* Rud., 1819a, 103, 389–391, 589 (in *Bufo viridis* at Berlin, and *B. cinereus*, *Rana esculenta*, *R. temporaria*, *Hyla arborea*).—Baird, 1853a, 52 (*Fasc. ranæ* Froelich).—Bellingham, 1844, 424.—Ben., 1858a, 1861a, 93, 96–97.—Bettend., 1897a, 4, 5, 8, 15; 1897, 308, 309, 312, 319.—Biehringer, 1888a, 234.—Brand., 1891b, 265.—Braun, 1892a, 635, 707, 715, 736, 750, 751; 1893a, 865, 879.—Cobbold, 1858b, 162, pl. 33, figs. 52–53 (in *Rana temporaria*); 1860a, 16; 1879b, 454.—Crep., 1837, 310, 311, 312, 316, 322, 325, 328, 329; 1839, 287.—Dies., 1850a, 352, 388 (includes *Fasc. ranæ* Froelich: *D. c. Rud.*, ex parte, as syn. of *D. retusum* Duj.): 1858, 429; 1858c, 338 (*Cerc. (Acanthocephala) ornata*), adult in *Rana temporaria*, *Pelophylax esculentus*; larva in *Planorbis corneus*, *Hydrachus concharum*; 1859c, 429 (*Cerc. armata* major, in *Lymnæus stagnalis*, *L. ovatus*, *Planorbis corneus*; Belgium), 434 (*Cerc. ornata*).—Duj., 1845a, 404.—Duncker, 1881a, 23; 1882, 188; 1884a, 40.—Erc., 1881e, 77, 78, 82, 83, 84, 85, 89; 1882a, 313, 314, 318, 319, 320, 321, 325.—Fil., 1857c, 32.—Florance, 1866a, 11.—Gamb., 1896a, 72.—Hoyle, 1890, 537, 540.—Jackson, 1888, 648.—Juel, 1889, 37.—Kampmann, 1894b, 446, 448, 454, 457, 459, 460, 461, 462, pl. 20, figs. 14–18.—Kath., 1894a, 152.—Kowal., 1894d, 3; 1895, 350–351; 1902d, 9 (to *Pleurogenes*).—Lamoureux, 1824a, 562.—Leuck., 1863a, 477, 520.—Linst., 1873, 1 (*Cerc. ornata* La Valette is young stage); 1882, 18; 1887, 97, 98, 99, 105; 1890f, 184; 1904, 254.—Looss, 1885b, 24, 39, 40, pl. 23, fig. 15; 1893b, 810, 811 (includes *D. neglectum* Linst., 1887); 1894a, 1, 2, 82, 83, 84, 85, 87, 91–101 (1 text fig.), 102, 103, 104, 105, 106, 107, 119, 124, 126, 137, 140, 158, 159, 165, 167, 173, 176, 179, 181, 191, 192, 197, 202, 205, 206, 208, 209, 210, 211, 212, 219, 227, 228, 230, 234, 264, 270, 273, pl. 2, figs. 30–32; pl. 8, figs. 165–166, 170–175; pl. 9, fig. 189 (includes *D. neglectum* Linst., *D. medians* Ols., e. p.); 1894d, 5, 50; 1896, 94, 95; 1898, 461; 1899b, 611, 614, 617 (type of *Pleurogenes*), 622, 623.—Luche, 1899, 536; 1901, 169.—Mol., 1859, 846–848, pl. 3, fig. 3 (in *Pelophylax esculentus*; Padua).—Mont., 1888a, 15, 65; 1893, 71, 95, 102; 1896, 152.—Mueh., 1898, 23.—Nickerson, 1900, 814, 815.—Noack, 1892, —.—Nord., 1840, 616.—Olfers, 1816, 44.—Pag., 1857, 17, 18, 39–40, 52, pl. 4, figs. 8–14 (in brown and green frogs).—Par., 1887, 490.—Poir., 1885, 101.—Schwarze, 1885, 76.—Sieb., 1835, 64, 65; 1836, 233, 239.—Sons., 1893, 187, 189 (in *Rana esculenta*).—Staff., 1905, Apr. 11, 684.—Stiles, 1901, 197, 198, 199, 201.—Stoss., 1889, 64; 1896, 128; 1898, 43–44.—Wolf, 1903, 612, 613, 619, 621.—Zuern, 1882, 220.
- clavigerum* Rud., 1819a, of Duj., 1845a.—Looss, 1894, 101 (renamed *D. confusum* Looss); 1896, 88, 91, 93, 94, 95.
- clupeæ* (Schrank, 1788) Zed., 1803a, 218 (in Mayfische; Rhine).—Baird, 1853a, 54 (syn. of *D. appendiculatum* Rud.).—Dies., 1850a, 371 (syn. of *D. app. Rud.*).—Rud., 1809a, 437.
- clupeæ rhenanæ* Rud., 1809a, 437–438 (includes *Fasc. alope* Hermann, 1783, *F. clupeæ* Schrank, 1788, *D. clupeæ* Zed., 1803); 1819a, 110 (syn. of *D. app. Rud.*).—Baird, 1853a, 54 (syn. of *D. app. Rud.*).—Dies., 1850a, 371 (syn. of *D. app. Rud.*).
- cochlear* Dies., 1850a, 357–358 (in *Sterna cantiaca*, *S. minuta*; Brazil) (*D. cochleariforme* [sternæ] Rud., 1819a, 681, renamed).—Braun, 1901, 561, 563; 1901, 895.

## DISTOMA—Continued.

- 1902b, 56 (includes *D. diesingi* Cobbold), 58 (to *Microlistrum*).—Stoss., 1892, 37, 179.
- cochleariforme* Rud., 1819a, 681–682, 687 (in *Pelecanus aquila*, ?*Sterna cantiaqua* [see *D. cochlear*], *S. minuta*, *S. sp.*; Brazil).—Braun, 1901, 561, 563; 1901, 895; 1902b, 55 (type of *Microlistrum*), 56, 58 (of Stoss., 1892, 37; Duj., 1845a, 449; Rud., 1819a, 681; pars, syn. of *Microlistrum cochlear*).—Cobbold, 1860a, 13.—Dies., 1850a, 357.—Duj., 1845a, 449.—Stoss., 1892, 37, 179.
- cochleariforme sternæ* Rud., 1819a, 681, of Dies., 1850a, 357 (renamed *D. cochlear* Dies.).
- coelebs* Linst., 1875, 192–193, pl. 3, fig. 15 (in *Fringilla coelebs*).—Braun, 1893a, 870.—Stoss., 1892, 176 (to *Agamodist.*).
- colomaticum* Giard & Billet, 1892a, 614–615 (in cattle; Tonkin).—Gomy, 1897a, 374, 375.—Looss, 1899b, 634; 1907, Feb. 1, 126 (in ox; Cao Bang, Tonkin).—Rail. & Marotel, 1898, 30, 31, 32.—Stiles, 1898a, 57 (syn. of *Dicrocoelium pancreaticum*).—Ward, 1895, 332 (in *Bos taurus*).
- coleostomum* Looss, 1896b, 101–106, 154, pl. 7, figs. 66–68 (in pelican; Egypt); 1899b, 578, 581, 585 (type of *Ascocotyle*).—Braun, 1901b, 34.—Vaullegeard, 1901, 143 (*coleostomum*).
- collurionis* (Schränk, 1790) Zed., 1803, 211.—Cobbold, 1860a, 15.—Dies., 1850a, 396.—Rud. 1809a, 430; 1819a, 119.—Stoss., 1892, 179.
- colostomum* Vaullegeard, 1901, 143 (for *coleostomum*).
- colubri* (Bosc, 1802) Rud., 1809a, 434–435 (in *Coluber sp. americana*).—See *bosci*.
- colubri americani* Rud., 1819a, 121 (*colubri*, 1809, renamed).—Cobbold, 1859d, 364 (syn. of *D. bosci*).—Dies., 1850a, 398 (includes *Fasc. colubri* Bosc).—Sons., 1892, 92.
- colubri murorum* Rud., 1819a, 121 (in *Coluber murorum*).—Dies., 1850a, 367 (syn. of *D. allostomum* Dies.).—Duj., 1845a, 452.—Stoss., 1895, 230.
- colubri natrix intestinalis* Rud., 1809a, 433–434; 1819a, 103 (syn. of *D. mentulatum* Rud.) (in *Coluber natrix*).—Dies., 1850a, 355 (syn. of *D. ment.*).
- colubri natrix pulmonalis* Rud., 1809a, 434; 1814a, 103; 1819a, 99, 377 (syn. of *D. naja* Rud.) (in *Coluber natrix*).
- colubri tessellati* Rud., 1819a, 121 (in *Coluber tessellatus*).—Dies., 1850a, 355 (syn. of *D. mentulatum* Rud.).
- columbae* Mazzanti, 1889a, 161–165 (in *Columba livia*; Pisa), teste Par., 1894, 145; 1890, 139.—Braun, 1902b, 117.—Hass., 1896a, 2, 3 (syn. of *Mesogonimus commutatus* (Dies.)).—Sons., 1889, 283.
- commune* Olas., 1867, 31–32 (in *Labrus*).—Braun, 1891d, 424 (in *Crenilabrus griseus*).—Lint., 1901, 415, 485, 486.—Looss, 1901d, 399.—Odhn., 1901, 485, 486, 487, 494, 495, 499, 500, 503, 508; 1905, 321.—Sons., 1891, 257, 258 (in *Crenilabrus griseus*, *Labrus mixtus*).—Stoss., 1886, 32.—Also reported for *Anguilla vulgaris*, *Cottus bubalis*, *C. scorpius*, *Crenilabrus melops*, *Labrus maculatus*, *L. sp.*
- commune* Hausmann, 1896?, 24.—Looss, 1899b, 571 (possibly identical with *Crenilabrus angusticollis*).
- commutatum* Dies., 1858e, 339–340 (*D. dimorphum*, 1852, 555, pl. 16, 1 [not Dies.] renamed) (t. h. *Phasianus gallus*; Pisa).—Anacker, 1887c, 513.—Braun, 1893a, 874; 1900, 25; 1900h, 19, pl. 1, figs. 1, 2; 1902b, 116.—Caruccio, 1886, 293.—Cobbold, 1860a, 15.—Hass., 1896a, 2, 3 (to *Mesogonimus*).—Landois, 1882, 23.—Looss, 1899b, 650 (perhaps a *Clinost.*).—Mont., 1893, 155.—Rail., 1890, 131.—Schneidemuehl, 1896, 303 (*kommutatum*).—Sons., 1889, 11; 1889, 282–283; 1890, Feb. 15, 138.—Stoss., 1892, 175 (to *Mesogonimus*).
- compactum* Cobbold, 1859d, 363, pl. 63, figs. 1–3 (in lung, *Viverra mungos*); 1861, 118; 1864, 16, fig. 2; 1879, 299, 419; 1884g, 976.—Braun, 1892a, 663; 1893a, 876; 1899g, 492, to *Paragonimus*; 1901e, 329, 330, 333, 334.—Kerbert, 1878a, 272.—Mont., 1893, 83, 155.—Sons., 1884, 19.—Stiles & Hass., 1890a, 605, to *Paragonimus*.—Stoss., 1892, 31 (to *Mesogonimus*).—Also reported for *Mungos fasciatus*.
- complanatum* Rud., 1814a, 103–104 (in *Ardea cinerea*; Berlin); 1819a, 98, 376–377, 680.—Braun, 1893a, 873; 1899g, 465, 485, 486, 489 (specimens from Pavia and Cagliari, as syn. of *Clinost. heterost.*), 490; 1900h, 14, 15, 17, 18, 19, 23 to *Clinost.*, 24, 25, 26, 27, 28, 29, 30; 1900, 141; 1901, 561.—Cobbold, 1860a, 9.—Dies., 1850a, 338 (to *Dist.*), (t. h. *Ardea cinerea*; Berlin), 354.—Duj.,

## DISTOMA—Continued.

- 1845a, 399–400 to (*Dicrocoelium*).—MacCallum, 1899, 697, 706.—Olfers, 1816, 44.—Par., 1887, 23 (syn. of *D. hians*) (to Clinost.); 1887, 489.—Stoss., 1892, 160.
- complanatum* from *Ardea cinerea* and *Nycticorax griseus*, labeled *complanatum* (= *hians*) of *Genueser Sammlung*, from Pavia and Cagliari, are according to Braun, 1900h, 19, identical with Clinost. heterost.
- complanatum* Erc. of Par., 1894, 144, and Ward, 1895, 341, from *Canis* fam., misprint for *campanulatum*.
- complexum* Stiles & Hass., 1894e, 425–426, pl. 1, figs. 3–4, to (*Dicrocoelium*) (in *F. lis catus* dom.; U. S. A.); 1894f, 89–91.—Braun, 1900h, 16.—Looss, 1896, 58; 1899b, 565 (to *Metorchis*).
- complicatum* Mehlis, 1846, 141 (in *Haliaëtus carbo*).—Crep., 1846, 141.
- concarum* Crep., 1825a, 45–47, 83, figs. 7–8 (in *Colymbus rufogularis*); 1837, 310, 314, 318; 1846, 138, 141, 145, 146.—Braun, 1893a, 874, 879; 1900h, 6; 1901, 564.—Cobbold, 1860a, 11.—Dies., 1850a, 340–341.—Duj., 1845a, 448.—Jacoby, 1900, 22, 23.—Jägers., 1898, 9, 10, 12, 14, 16.—Kowal., 1894, 2; 1895, 350.—Looss, 1899b, 586 (to *Tocotrema*); 1900, 607, type of *Cryptocotyle*.—Luehe, 1899, 539 (type of *Cryptocotyle*).—Mueh., 1898, 4, 19–21, 27, 80–83, figs. 6, 20, 26.—Stoss., 1892, 158; 1897, 10; 1898, 42.—Reported for *Alca torda*, *Anas clangula*, *A. fusca*, *A. glacialis*, *A. hornschuchii*, *A. marila*, *Bucephala clangula*, *Colymbus cristatus*, *Fuligula marila*, *Harelda glacialis*, *Larus glaucus*, *Mergus merganser*, *M. serrator*, *Podiceps nigricollis*.
- confusum* Looss, 1894a, 2, 17, 83, 84, 91, 92, 93, 95, 96, 99, 101–104, 105, 106, 108, 113, 126, 135, 137, 149, 150, 159, 167, 177, 179, 180, 181, 182, 191, 192, 197, 210, 211, 212, 214, 216, 217, 227, 228, 230, 234, 256, 263, pl. 2, figs. 33–35, pl. 8, figs. 164, 167 (*D. clavigerum* of Duj., 1845a, 404 (in *Rana esculenta*; Paris, Rennes), renamed; includes also *D. clavigerum*, ex parte, and *endolobum* e. p. of Pag., and *clavigerum* of Pachinger); 1893b, 810, 811; 1894d, 17; 1896b, 88, 91, 92, 93, 94, 95; 1898a, 460, fig. 2; 1899b, 556, 614, 616, 622, 623 (type of *Prosoctus*).—Luehe, 1901p, 169.—Mueh., 1898, 23.—Nickerson, 1900, 814, 815.—Stiles, 1901, 197.
- conicum* Polonio, 1859, teste Par. 1894, 627 [see also *Diplost. conicum*].—Anacker, 1892c, 94.
- conis* Crep. (misprint for *D. conus* Crep., in Perroncito, 1886, 250).
- coniunctum* Rivolta, 1884, 26, for *conjunctum*, 1860.
- conjunctum*<sup>a</sup> Cobbold, 1860a, 8 (t. h. *American Canis fulvus*); 1860, 349; 1861, 118; 1864, 20–22, pl. 2; 1873, 81; 1876, 210; 1879b, 28, 30–34, 299, fig. 56; 1883, 401, fig. 16.—R. Bl., 1888a, 612–614 (two (all to date) human infections, review), figs. 314–315, 631; 1891, 610 (syn. of *D. conus*).—Braun, 1883a, 65–66; 1892a, 642, 663, 748; 1893, 349, 352; 1893a, 874, 882; 1893f, 386, 389, 425; 1894i, 605; 1895b, 147–148, 151, fig. 65; 1903, 3 ed., 163 (of Cunningham and McConnell, renamed *Opisthorchis noverca*), 164, fig. 113 (from *Canis fulvus*).—Brunet, 1902a, 125.—Dunglison, 1893, 338.—Fitz. 1876b, 517.—Gamb., 1896a, 63.—Hackley, 1886, 519.—Hahn & Lefèvre, 1884a, 545–546 (= *sinense*).—Huber, 1896a, 578 (= *O. noverca*).—Ijima, 1889b, 146.—Jamison, 1897a, 74.—de Jong, 1887a, 57; 1896a, 2.—Kamensky, 1900a, 17, 23.—Kholodk., 1898, 26, 29–30, pl. 11, fig. 13.—Kuech. & Zuern, 1881, 335.—Leuck., 1889, 355, figs. 162–163.—Lewis & Cunningham, 1872, 168.—Linst., 1873, 100.—Looss, 1899b, 565 (to *Metorchis*); 1905, 90 (of Lewis & Cunningham, syn. of *O. noverca*).—Maddox, 1867, 95.—Manson, 1901, 540 (in *Homo*); 1903, 3 ed., 635, fig. 98 (McConnell in an East Indian, 1874, apparently of but slight pathological importance).—McConnell, 1875, Aug. 21, 271–274, figs. 1–3; 1875, Oct., 772–780, figs. 1–3; 1876, Mar. 4, 343–344, figs. 1–3; 1876, Apr., 242–246, figs. 1–3 (case in man); 1876, July, 314–317; 1878, Mar. 30, 343, 476.—Moniez, 1896, 86, 122–125, 137.—Mont., 1893, 83 (*coniunctum*).—Mosler & Peiper, 1894, 178.—Neumann, 1892, 529–530, fig. 284.—Perroncito, 1882, 285; 1886, 250, 297.—Rail., 1886, 297; 1893a, 365 to (*Brachylaimus*).—Schneidemuehl, 1896, 302 (*kongenitum*).—Simon, 1897, 209, 223–224.—Sons., 1889, 276, 277, 278, 280; 1889, 281 (syn. of *D. conus* (Crep.)).—Stiles, 1904i, 34 (to *Metorchis*).—Stiles & Hass., 1894e, 429–430, pl. 3, figs. 13–15 (consider form from man

<sup>a</sup> All references to "*Distoma conjunctum* Cobbold" as a parasite of man are based upon the findings of Cunningham, McConnell, and Lewis, and refer in reality to *Opisthorchis noverca*, q. v.

## DISTOMA—Continued.

- distinct).—Stoss., 1892, 24–25 (syn. of *D. conus*).—Tyson, 1903, 3 ed., 1180.—Ward, 1895, 238 (man, dog), 328 (Homo), 341 (in *Canis familiaris*).—Wood & Fitz, 1897, 335.
- conjunctum* of Lewis and Cunningham, in Homo, India; see *Opisthorchis noverca*.
- conoideum* (Bloch, 1782) Rail., 1886, 297; 1893a, 366 (syn. of *D. echinatum* Zed.; includes excavatum Rud., 1819, echiniferum La Val., 1855, ? militare Rud., 1809; cf. *Cerc. echinatoides* Fil., *C. echinifera*, *C. spinifera*); in ducks, geese, swan, etc., and dog.—Ward, 1895, 341 (in *Canis familiaris*).
- conostomum* Olss., 1876, 17–18, pl. 3, fig. 37 (in *Coregonus oxyrrhynchus*).—Braun, 1892, 45; 1892a, 663, 699, 711, 722; 1893a, 872; 1901b, 9, 10, 12.—Looss, 1899b, 605, thinks it a *Spathidium*; 1901l, 558.—Luehe, 1900aa, 507.—Mont., 1893, 95, 102.—Odhn., 1902, 65, 67.—Stoss., 1886, 22, 62 (in *Coregonus oxyrrhynchus*).
- constrictum* Mehlis, in Creplin, 1846, 142, 143 (in *Anas mollissima*, *A. nigra*).—Crep., 1846, 142, 143.—Dies., 1850a, 397.—Stoss., 1892, 180.—Reported also for *Anas fusca*.
- constrictum* Leared, 1862, 271–273, fig. 21 (in edible turtle).—Braun, 1892a, 569, 763, 764; 1893a, 876 (in *Chelone mydas*); 1893d, 467; 1899b, 715 (= *D. mistroides*).—Cobbold, 1879b, 35.—Laveran & R. Bl., 1895, 104.—Leuck., 1861, 79.—Looss, 1899b, 554, 656 (type of *Hapalotrema*).—Moniez, 1896, 143.—Mont., 1896, 144, renamed *mistroides*.—Stoss., 1895, 230.
- constructum* Staff., 1900, 407, misprint for *D. constrictum* Leared.
- continuum* Ariola, 1899, 6–8, pl. 1, fig. 6 (in *Carcharias rondeletti*; Genova).—Linst., 1903, 354.
- contortum* Rud., 1819a, 118, 424–425 (in *Orthogoriscus mola*; Naples), 595.—Bellingham, 1844a, 427.—Braun, 1892a, 578; 1893a, 872, 910.—Cobbold, 1879b, 458.—Crep., 1837, 310, 311.—Dies., 1850a, 394; 1858e, 353 (in *Orth. mola*).—Drago, 1902, v. 15, 20; 1904, v. 79, 4 pp., 1 fig.; 1904, v. 17, 720.—Drumond, —, 240.—Duj., 1845a, 469.—Kroyer, 1852–53a, 745 (in *Orth. mola*).—Lint., 1898, 528–530, pl. 48, figs. 3–7; 1901, 415 (in *Mola mola*), 422, 466.—Looss, 1894a, 165, 190; 1899b, 631 (type of *Accacœlium*).—Luehe, 1900, 487.—Mont., 1888a, 7, 8, 12; 1888, 198, 199; 1891, 110; 1893, 13, 14, 19, 22, 23, 27, 29, 30, 32, 33, 34, 36, 37, 40, 44, 46, 47, 61, 64, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 90, 93, 94, 95, 97, 102, 107, 108, 113, 115, 119, 120, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 150, 152, 169, pl. 1, fig. 12, pl. 3, figs. 16, 22, 25, 26, 32, pl. 4, figs. 33–37, pl. 8, figs. 123 (type of *Accacœlium*); 1896, 151, 153.—Olss., 1876, 17.—Sons., 1890, 140 (in *Orth. mola* L.); 1891, 265.—Stoss., 1896, 190, to (*Podocotyle*).
- conum* Huber, 1896a, 578 (refers to Stoss., syn. of *D. conjunctum*=*O. noverca*); see *conus* Crep.
- conus* Crep., 1825, 50–53 (in *Felis catus dom.*, *Canis vulpes*); 1837, 310; 1839, 286, 288.—Baillet, 1866b, 105 (includes *Amphist. truncatum* Rud.).—R. Bl., 1891, 610 (syn. *D. conjunctum*).—Braun, 1892a, 580, 613, 663, 699; 1893a, 875; 1893f, 382, 383, 384, 386, 387, 388, 389, 390, 391, 424 (of Sons. in dogs and cats in Italy, syn. of *D. felineum*); 1893g, 802 (= *Amphist. truncatum* Rud.).—Cobbold, 1875n, 819 (*Distoam*); 1884g, 976.—Dies., 1850a, 404 (syn. of *Amphist. truncatum*); 1858e, 349–350 (in *Canis vulpes*; *Felis catus dom.*) (to Dist.).—Duj., 1845a, 331, 440.—Hahn & Lefèvre, 1884a, 538.—Hilgendorf, 1870, 566–567.—de Jong, 1896a, 2, 3, 4, 6.—Kamensky, 1900a, 5.—Leuck., 1863a, 589.—Linst., 1878a, 43, 44.—Moniez, 1896, 136, 139.—Sons., 1889, 273, 276, 277, 278, 279, 280, 281 (syns. *Amphist. truncatum* Dies., *D. campanulatum* Erc., *D. conjunctum* Cobbold, *D. felineum* Rivolta, *D. truncatum* Erc.); 1890, v. 7 (3), 15 Feb., 134–138.—Stoss., 1892, 24, 25 (includes *D. truncatum* Erc., *D. conjunctum* Cobbold, *Amphist. truncatum* Dies.) (in *Vulpes vulgaris*; *Canis fulvus*, America; *Canis familiaris*, Pisa; *Felis domestica*).—Wagener, 1857, 102, pl. 22, figs. 1, 2; 1858, 102.—Ward, 1895, 341 (see *D. truncatum*) (in *Canis familiaris*).
- conus* of Gurlt, 1831, 193, 373–375, pl. 8, figs. 34–36 (nec Crep., 1825).—Braun, 1893f, 383, 384, 385, 386, 387, 389, 390, 422 (syn. of *D. felineum*); 1903, 3 ed., 157 (syn. of *Opisthorchis felineus*).—Dies., 1858e.—de Jong, 1896a, 10.—Rail., 1893a, 361 (= *D. fel.*).—Ward, 1895, 243 (syn. of *D. fel.*), 328 (in Homo), 341 (in *Canis fam.*); 1903, 869 (syn. of *Opisth. fel.*).
- conus* of Sons., 1889 (sub *D. truncatum*), see *felineus*.—Braun, 1892, 580, 613, 663, 699; 1893, 874; 1893e, 348, 349, 350, 352; 1893f, 386, 424.

## DISTOMA—Continued.

- convolutum* Brand., MS. in Braun, 1901f, 565, in *Platalea ajaja*; 1902b, 24 (syn. of *Mesaulus grandis*).
- cornifrons* Leidy, 1878, 382–383 (in *Donax fossor*).
- cornu* Zed., 1800a, 180–181, pl. 2, fig. 1–3 (in *Ardea cinerea*; Europe).—Dies., 1850a, 327 (to *Monost.*).—Nord., 1840, 627 (to *Amphist.*).—Rud., 1809a, 346 (to *Amphist.*).
- coronarium* Cobbold, 1861e, 119 (in *Alligator mississippiensis*; died in England); 1864, 17; 1879b, 455 (All. miss.).—Braun, 1892a, 699; 1899, 630; 1901b, 34.—Looss, 1896b, 114, 117, 118; 1899b, 575, 581, to *Acanthost.*—Luehe, 1899, 532.—Par., 1896, 7–9, fig. 3, to (*Echinoost.*).—Pavesi, 1881, 294.—Stoss., 1895, 230; 1899.—Also reported for *Crocodilus americanus*.
- coronatum* Rud., 1819a, 686 (in *Didelphis? virginiana*; Brazil).—Braun, 1900, 27; 1901e, 318, 319, 320, 323.—Cobbold, 1879b, 432.—Dies., 1850a, 400 (to *Rhopalophorus*).—Duj., 1845a, 425.—Looss, 1899b, 581.—Stiles & Hass., 1898a, 93, 96 (type of *Rhopalias*).—Stoss., 1892, 30–31 (to *Echinoost.*).
- coronatum* Wagener, 1852, 567–569, figs. 4–6 (in *Corvina nigra*; Nice).—Braun, 1892a, 579, 583, 643; 1901b, 34, 1901, 568; 1902b, 28, 30, 31.—Carus, 1884, 127.—Dies., 1856, 64; 1858e, 352 (in *Corvina (Sciæna) nigra*).—Looss, 1899b, 578, 581, 582, 583, type of *Anoiktost.*—Mont., 1893, 84 (? of Dies. or of Wag.).—Stoss., 1885, 157; 1886, 37.
- coronatum* Rentsch, 1860, 38, pl. 11, fig. 2a, 41 (in *Gasterosteus spinachia*).
- corpulentum* Lint., 1905, 327, 334, 378, 382, figs. 180–182 (in *Lagodon rhomboides*, *Orthopristis chrysopterus*; Beaufort, N. C.).
- corrugatum* Duj., 1845a, 409–410 (in *Sorex tetragonurus*; Rennes), to (*Brachylaimus*).—Braun, 1901e, 341, 342.—Cobbold, 1879b, 296.—Dies., 1850a, 360.—Stoss., 1892, 13.
- corvinæ* Stoss., 1886, 46–47, pl. 7, fig. 29 (in *Corvina nigra*; Trieste); 1886, 36; 1898, 56; 1899, 15.—Braun, 1892a, 579; 1902b, 31.—Looss, 1899b, 578, 581.—Mont., 1893, 83.
- coryphænæ* (Bosc., 1802) Rud., 1809a, 436–437 (includes *Fasc. fusca* Bosc., 1802; *F. cory.* Bosc., 1802; *F. caudata* Bosc., 1802; *F. coryphænæ hippuridis* Tilesius); 1819a, 122, 685 (in *Coryphæna hippuris*).—Baird, 1853a, 60 (syn. of *Hirudinella ventricosa*).—Cobbold, 1879b, 460 (*coryphænæ*), 461 (*coryphænæ*).—Dies., 1850a, 367 (syn. of *D. clavatum* Rud.), 373 (syn. of *D. tornatum* Rud.).—Poir., 1885, 6.
- coryphænæ* Cobbold, 1879b, 460, for *coryphænæ*.
- coryphænæ* Cobbold, 1879b, 461, for *coryphænæ*.
- [*costæ* D. Valle (a tunicate).]
- cranium* Huber, 1896a, 575, misprint for *crassum*=*buskii*.
- crassicaudatum* Busch, 1851, 99–100, pl. 15, fig. 13 (in *Sagitta*).—Wagener, 1860, 166.
- crassicolle* Rud., 1809a, 378–379 (in *Salamandra atra*) (*Fasc. salamandræ* Frølich, renamed); 1819a, 102, 385–386.—Baird, 1853a, 52.—Braun, 1892a, 603, 681; 1893a, 881; 1895b, 128, fig. 45.—Cobbold, 1860a, 18.—Crep., 1837, 316; 1846, 147, 148.—Dies., 1850a, 356; 1858, 339 (in *Triton marmoratus*).—Duj., 1845a, 404–405, to (*Brachycœlium*).—Kampmann, 1894b, 454, 457.—Kerbert, 1881a, 536, 573.—Lint., 1887, 97, 98.—Looss, 1894a, 1, 82, 83, 84; 1899b, 611, 612, 613, 614, 618; 1902m, 705, 769, 773, 774, 816, 821, 822 (type of *Brachycœlium*).—Luehe, 1899, 536; 1900, 562, 563.—Minot, 1878a, June 11, 1–12, pl. 1, figs. 1–17.—Mont., 1888a, 25, 38.—Olfers, 1816, 45.—Par., 1896, 2; 1896, 13–16 to (*Dicrocœlium*) (includes *D. enterarchos* Fil., *D. salamandrinæ perspicillatæ* Sons.).—Pontallié, 1853, 211–219.—Stiles, 1901, 196, 198, 199, 200, 201, 202.—Stiles & Hass., 1898a, 83, 97 (type of *Brachycœlium*).—Stoss., 1889, 63; 1895, 214–215; 1897, 9; 1898, 32.—Ziegler, 1883, 545.—Also reported for *Anguis fragilis*, *Rana temporaria*, *Salamandra maculosa*, *Salamandrina perspicillata*, *Triton alpestris*, *T. cristatus*, *T. punctatus*, *T. tæniatus*.
- crassiusculum* Rud., 1809a, 373, 408–409, 429 (in *Falco melanaetus*) (Plan. bilis Braun renamed); 1819a, 112.—Braun, 1891d, 424 (in *Circus æruginosus*); 1892a, 583, 584, 610, 663; 1893a, 875; 1893, 353; 1893f, 426; 1901, 561; 1902b, 8, 10.—Cobbold, 1860a, 15.—Crep., 1837, 326; 1846, 129.—Dies., 1850a, 376 (includes *D. felleum falconis chrysaëti* Viborg); 1858e, 353 (in *Falco buteo*).—Duj., 1845a, 441–442.—Lint., 1873, 99.—Looss, 1896b, 58; 1899b, 677 (to

## DISTOMA—Continued.

- Metorchis).—Mont., 1893, 15.—Mueh., 1898, v. 1, 21, 23–24, 87–89, fig. 1.—Olfers, 1816, 46.—Stoss., 1890, 50; 1892, 151.—Wedl, 1857, 244–245, pl. 1, fig. 4.—Also reported for *Aquila chrysaetos*, *Archibuteo lagopus*, *A. vulgaris*, *Buteo vulgaris*, *Circus æruginosus*, *C. rufus*, *Colymbus septentrionalis*, *Falco albicilla*, *Mergus serrator*, *Nyctea nivea*.
- crassum* Sieb., 1836, 234 (in *Hirundo urbica*) ('Hoden — zwischen dem Porus anticus und posticus verborgen'); 1848, 143.—Braun, 1893a, 874; 1902b, 46, 94–95.—Crep., 1837, 327, 328; 1846, 133.—Dies., 1850a, 397.—Leuck., 1863a, 587.—Looss, 1899b, 557.—Poche, 1907, 126.—Stoss., 1892, 156.—Also reported for *Hirundo domestica*.
- crassum* Cobbold, 1860a, 5–6 (*buskii* Lankester, renamed; in *Homo*); 1864a, 192–194, fig. 42; 1866, 6; 1875i, 423; 1876g, 285–296, 1 fig.; 1876h, 210, 211; 1876i, 297–305, 1 fig.; 1879b, 17, 20–28, 421, 480, fig. 2; 1883, 401; 1884g, 976.—Aitken, 1866, 804, 839; 1872, 146, 205; 1874, 58.—Anders, 1903, 6 ed., 1245.—Aschoff, 1892, 495.—Bassi, 1875b, 507.—Biermer, 1863a, 395 (*grassum*).—Braun, 1883a, 62–63; 1902b, 95; 1903, 3 ed., 153 (syn. of *Fasciolopsis buskii*); 1906, 159, fig. 90.—Brunet, 1902a, 125.—[Budd, 1845, 399, fig. 20; 1846, 390, fig. 20; 1846, 444; 1852, 484, fig. 20; 1857, 494, fig. 20.]—Busk, 1859.—Clarke, 1894b, 244–245, fig. 21.—Dav., 1877a, lxxvii, 258–259.—Dunglison, 1893, 338, 820.—Eichhorst, 1901a, 301.—Gamb., 1896a, 63.—Hackley, 1886, 518, fig. —, 882.—Hahn & Lefevre, 1884a, 541–542, 544.—Harley, 1864a, 62.—Hoyle, 1890, 538.—Huber, 1896a, 575 (*cranium*).—Jackson, 1888, 653.—Jacob, 1891a, 1287.—Jamieson, 1897a, 73.—Kholodk., 1898, 30, pl. 11, fig. 15.—Leidy, 1891, 234; 1904a, 239–241 (includes *Fasc. magna*).—Leuck., 1863a, 526, 586–588, fig. 196; 1876, v. 2 (3), 870, 871.—Looss, 1899b, 557, to *Fasciolopsis*; 1905, 110 (syn. of *Fasciolopsis buskii*); 1907, Feb. 1, 124.—Manson, 1880, May, 66; 1901, 440, 543; 1903, 3 ed., 631, 639.—Moniez, 1896, 114, 115.—Mosler & Peiper, 1894, 176.—Oppenheim, 1900, 181.—Packard, —, 522.—Rail, 1893a, 363–364 (includes *D. buskii* Lankester, 1857; *D. (Dicrocoelium) buskii*).—Roberts, 1888, 673.—Simon, 1897, 223 (*cranium*).—Sincclair, 1891, Dec. 26, 1468.—Smith, 1881, July, 14 [= *Tænia solium* or *T. saginata*].—Stoss., 1892, 27 (syn. of *D. rathouisi* Poir.).—Verrill, 1870, 171.—Vogt, 1878, 10, 14.—Wagner, 1883, 121.—Walker, 1891, 5 Oct., 1205, figs. 1–2.—Ward, 1895, 328 (syn. of *D. buskii*); 1903, 867 (syn. of *Fasciolopsis buskii*).—Wood & Fitz, 1897, 335.
- crassum* Ols., 1876, 25, pl. 4, figs. 27–28 (in *Hirundo urbica*) [nec Sieb., 1836].—Braun, 1902b, 46 (? syn. of *Plagiorchis maculosus*), 94, 95.—Looss, 1899b, 557 (? syn. of *maculosum* Rud.).
- crassum* Cobbold, of Leidy, 1891, p. p., 234; 1904a, 239–241 (in *Cervus virginianus*, *Bos taurus*).—Stiles, 1898a, 51 (syn. of *Fasc. magna*).—Ward, 1895, 253, 332, 335, 338 (in *Bos taurus*, *Ovis aries*, *Equus caballus*) (p. p. syn. of *Fasc. magna*); 1903, 866.
- crenatum* (Rud., 1802 [nec Frœlich, 1802]) Rud., 1809a, 387 401, 404–405, pl. 5, fig. 1 (in *Gasterosteus aculeatus*); 1810a, 376; 1819a, 110 (syn. of *D. appendiculatum* Rud.).—Dies., 1850a, 371 (syn. of *D. app.*).—Lander, 1904a, 1 (to *Hemius*).—Luehe, 1901, 399 (extensive synonymy), 401 (not Rud., 1810, 376, from *Salmo salar*), 402.—Mont., 1891, 497, 522.—Odhn., 1905, 352 (type of *Brachyphallus*).—Olfers, 1816, 46.—Wagener, 1860, 166, 183 (in *Gast. ac.*).
- crenatum* Mol., 1859, 840–842, pl. 1, fig. 3 (in *Centrolophus pompilius*; Padua).—Braun, 1893a, 873.—Carus, 1884, 125.—Looss, 1899b, 640 (to *Hemius*).—Luehe, 1901, 399 (not Rud.), 402 (cf. *D. excisum* Rud.).—Odhn., 1905, 352 (to *Brachyphallus*).—Stoss., 1886, 14; 1898, 27.
- [*cristallinum* Ren. (a tunicate).]
- cristatum* Rud., 1819a, 117–118a, 422–423 (in *Stromateus fiatola*; Arimini).—Carus, 1884, 128.—Cobbold, 1860a, 37.—Crep., 1837, 311.—Dies., 1850a, 393.—Duj., 1845a, 432.—Mont., 1893, 193.—Stoss., 1886, 47.—Also reported for *Hippocampus brevis* Stris.
- croaticum* Stoss., 1889, 183–184, pl. 4, figs. 5–7 (in *Carbo graculus*; Fiume, Croazia); 1890, 131; 1892, 165 (to *Echinost.*).—Braun, 1891d, 421; 1892a, 763, 765; 1893a, 911.—Reported for *Carbo cormoranus*.
- crocodili* Poir., 1886, 30–32, pl. 1, figs. 4–5 (in *Crocodilus siamensis*).—Braun, 1892a, 722.—Looss, 1899b, 575, 578.—Mont., 1893, 43, 83, 86, 95, 102.
- crotali* Humboldt [an arachnoid, now in *Porocephalus*].—Dies., 1836, 21; 1850a, 612 (syn. of *Pentast. proboscideum*).—Leidy, 1850b, 97 (syn. of *Pentast.*

## DISTOMA—Continued.

- prob.); 1904a, 32.—Nord., 1840, 645 (to *Porocephalus*).—Rud., 1809a, 433.—Stiles, 1891a.
- crotali durissi* Rud., 1809a, 433 (for *crotali*), 434; 1814a, 103; 1819a, 124 (syn. of *Pentast. proboscideum*).
- crucibulum* (Rud., 1819) Duj., 1845a, 435. to (*Crossodera*) (in *Muraena conger*; M. cassini).—Dies., 1850a, 322 (to *Monost.*).—Tennent, 1906, 640 (to *Gasterost.*).
- cryptobothrium* Ben., 1870, 1871a, 31, pl. 5, fig. 16 (in *Trigla gurnardus*; Belgium).
- crystallinum* Rud., 1819a 100, 380–382, 595 (in *Rana esculenta*, *R. temporaria*, *Bufo viridis*, *B. igneus*, *Vipera berus*; Berlin).—Bettend., 1897, 308, 311, fig. 28, fig. 4; 1897a, 4, 7, pl. 1, fig. 4.—Brand., 1888a, 14.—Braun, 1893a, 875.—Dies., 1850a, 352 (to *Dist.*); 1858e, 338.—Duj., 1845a, 453–454.—Hannover, 1864a, 3 (*chrysellinum*).—Pag., 1857, 39, 46, pl. 4, fig. 6 (in *Frosch*).
- deniceps* Leidy MS. in Stiles & Hass., 1894d, 249 (manuscript name found in bottle containing parasite of Muskrat, published as *D. echinatum*; see Leidy, 1888, 126–127) (in *Fiber zibethicus*).
- cucumerinum* Rud., 1809a, 360–361 (in *Avis riparia*; gen. sp. incert.); 1819a, 94.—Braun, 1899f, 465–468 (is a *Monost.*); 1901, 561.—Dies., 1850a, 338 (to *Dist.*).—Olfers, 1816, 44.—Stoss., 1902, 9, 32 (to *Typhlocœlum*).
- cuneatum* Rud., 1809a, 358–359 (in *Otis tarda*); 1819a, 93 (Greifswald).—Anacker, 1892c, 94.—Braun, 1893a, 877; 1893d, 467; 1901, 13, 15; 1901, 561; 1902b, 69, 72, 73, 74, 79 (= *D. ovatum* autt. (nec *D. ov.* Rud.); Fasc. ov. Rud. part) (to *Prosthogonimus*).—Cobbold, 1860a, 9.—Crep., 1846, 134.—Dies., 1850a, 336 (to *Dist.*) (in *Otis tarda*; (*Gryphæ*, Rud., intestine) (in *Pavo cristatus*, Gurlt).—Duj., 1845a, 445.—Looss, 1899b, to *Prosthogonimus*.—Luehe, 1905, 159.—Olfers, 1816, 44.—Schneidemuehl, 1896, 303 (*kuneatum*).—Stoss., 1892, 180.
- cuspidatum* Looss, 1896b, 97–101, 104, pl. 7, figs. 64–65 (in *Milvus parasiticus*; *Matarieh*); 1899b, 578, 581, 584 (type of *Centrocestus*).—Braun, 1901b, 34.
- cylopteri* Rud., 1809a, 438 (in *Cylopterus lumpus*); 1819a, 121.—Dies., 1850a, 373 (syn. of *Dist. reflexum*), 398.—Stoss., 1886, 47.
- cygni oloris* Dies., 1858e, 344 (syn. of *D. echinatum*), based on Bellingham, 1844a, 427.
- cygnoides* Zed., 1800a, xxiv, 163, 175–176 (in *Rana esculenta*); 1803a, 213.—Baird, 1853a, 51.—Ben., 1858a, 1861a, 189, 203, 214.—Bensley, 1897a, 326–331, figs. 1–6 (2 forms); 1897, 293.—Braun, 1883a, 56; 1892a, 569, 634, 635, 698, 711, 712, 761, 762, 764, 768, 773, 776, 780, 782, 783, 785, 788, 790, 797, 798, 806; 1893a, 854, 865, 876, 882; 1893d, 467; 1895b, 18, 129; 1899g, 492 to *Phyllodist.*; 1901b, 9, 10, 12; 1902b, 22.—Cobbold, 1858b, 162; 1860a, 15; 1872b, 91; 1879b, 49, 454.—Crep., 1837, 310, 323, 324, 326.—Desmonceaux, 1868, 21.—Dies., 1850a, 342 (includes *D. hylæ* Rud.); 1858d, 272; 1858e, 334 (to *Dist.*) (*Cerc. (Acanthocephala) macrocerca*) (adult in *Pelophylax esculentus*; *Bombinator igneus*; *Dendrohyas viridis*; *Rana temporaria*; *R. pipiens*; *R. palustris*; *R. haledina*; *Salamandra maculata*; *S. (Amblystoma) rubra*; *S. salmonea*; young in *Pelophylax esculentus*; larva in *Cyclas cornea*).—Duj., 1838a, 7 (embryo); 1838c, 47; 1845a, 396–397 to (*Dicrocœlium*).—Fil., 1855b, 24, 25; 1857c, 32.—Florance, 1866a, 6, 12.—Fraip., 1880c, 418.—Gamb., 1896a, 72.—Hahn & Lefèvre, 1884a, 516.—Kampmann, 1894b, 446.—Kerbert, 1881a, 566, 575.—Kowal., 1894, 3.—Leidy, 1851b, 207; 1856, 44; 1904a, 48–49 (in *Rana pipiens*, *Salamandra maculata*, *S. (Amblystoma) rubra*), 87 (in *R. palustris*, *R. haledina*, *S. salmonea*).—Leuck., 1863a, 511; 1886d, 40.—Linst., 1873, 1 (young = *Cerc. macrocerca* Fil.); 1887, 97, 101.—Looss, 1885b, 24; 1892a, 125; 1893b, 813, 815; 1894a, 2, 23, 56–64, 82, 110, 125, 127, 136, 137, 138, 153, 154, 159, 162, 168, 169, 174, 178, 182, 184, 189, 200, 201, 204, 206, 211, 215, 216, 227, 230, 244, 251, 253, 256, 269, 275, pl. 1, figs. 23–26, pl. 6, figs. 124–132 (in *Bombinator igneus*; *Hyla arborea*; *Rana esculenta*; *R. temp.*); 1896b, 46; 1899b, 605–606, type of *Gorgodera*, 607; 1902m, 784, 807, 810, 846, 851.—Loeschge, 1875, 10–14, pl. 1, figs. a–e.—Luehe 1900, 558; 1901, 58.—Miescher, 1840c, 39–42 (in *R. esc.*).—Mol., 1859, 833 (in *Pelophylax esculentus*; *Padua*).—Mont., 1888a, 40, 80 (*cgignoides*); 1893, 82, 148, 149; 1896, 166.—Moul., 1856, 48, 99, 161 (*Cerc. macrocerca* is larva of; teste Fil.).—Mueh., 1898, 27–28.—Nord., 1840, 617 (*sygnoides*, misprint).—Odhn., 1902, 64, 65.—Olfers, 1816, 44.—Osborn, 1903, 256.—Pachinger, 1883, 46 pp.—Pag., 1857, 28, 30, 44–46, 47, 52, pl. 6, fig. 1 (in green frog).—Par., 1887, 60; 1887, 332–333; 1887, 490.—Roessbach, 1906, 377, 388.—Rud., 1809a, 367–368; 1819a, 96, 370–371.—Schuberg, 1875, 169.—Sieb.,



## DISTOMA—Continued.

- 1835, 66, 82; 1842, 298.—Sons., 1890, 136; 1893, 187 (*cygnoidis*) (in *Rana esc.*); 1893, 217.—Seinitzin, 1905, 33, 34; 1906, 682 (in *Rana temporaria*, *R. esculenta*; Warschau) (of Looss, named *Gorgodera loossi* of Pag., renamed *G. pagenstecheri*), 684.—Staff., 1900, 405, 409; 1902, 18 Dec. (American), 411, 412, 421, 482, to (*Gorgodera*) (in frogs and toads), 895; 1903, 15 Dec., 901; 1905, July, 51–52.—Stiles, 1896, 205.—Stoss., 1889, 60.—Valentin, 1841, 51–54.—Will.-Suhm, 1870, 4.—Wagener, 1857, 26, 27, 29–30, 34, 35, 40, 42, 43, 44, 45, pl. 30, fig. 1, pl. 31, fig. 1, pl. 32, fig. 36A, 7.—Walter, 1866, 64.—Reported also for *Dendrohyla viridis*, *Bombinator* sp.; *Bufo igneus*, *B. vulgaris*, *Cyclas*, *Limnæa* sp.; *Piscidium*; *Rana catesbiana*, *R. clamitans*, *R. virescens*, *Salamandra maculosa*.  
*cygnoides* var. A. of Bensley, 1897a.—Staff., 1902, 419–421 (syn. of *Gorgodera ampli-cava*).  
*cygnoides* var. B. of Bensley, 1897a.—Staff., 1902, 417 (syn. of *Gorgodera simplex*).  
*cygnoides ranæ* Wagener, 1857, 19–24.  
*cygnoidis* Sons., 1893, 187, for *cygnoides*.  
*cylindraceum* Zed., 1800a, 164, 188–190, pl. 4, figs. 4–6 (in *Rana esculenta*); 1803a, 217.—Baird, 1853a, 51.—Bellingham, 1844a, 424.—Ben., 1858a, 1861a, 193.—Bettend., 1897a, 4, 5, 7, 10, pl. 1, fig. 6; 1897, 308, 309, 311, 312; 314, pl. 28, fig. 6.—Blochmann & Bettend., 1895a, 217, fig. 2.—Brand., 1891c, 730; 1891d, 7, 12.—Braun, 1890d, 568; 1892a, 568, 586, 589, 593, 597, 599, 602, 608, 635, 640, 641, 643, 671, 677, 682, 683, 684, 685, 698, 703, 707, 717, 719, 726, 729, 733, 737, 751, 754, 759, 760, 762, 763, 768, 773, 780, 783, 785, 788, 790, 806; 1893a, 865, 876, 882, 910.—Cobbold, 1858b, 162 (in *Rana temporaria*); 1860a, 17.—Crep., 1837, 310, 323, 326.—Dies., 1850a, 368 (includes *Fasc. subclavata*); 1858c, 351 (in *Rana oxyrrhinus*; *R. platyrrhinus*).—Duj., 1845a, 395–396.—Galli-Valerio, 1898n, 371–373; 1899b, 186–187; 1901c, 365 (in *Rana esculenta*).—Gamb., 1896a, 72.—Hausmann, 1897b, 14.—Hofmann, 1899, 196.—Jackson, 1888, 650 (reproductive system).—Knoch, 1862, 101.—Kowal., 1894, 3; 1895, 372–390, pl. 8, fig. 9.—Linst., 1887, 97; 1890f, 173–191, 2 pls., figs. 1–39; 1891a, 241–242; 1904, 254.—Looss, 1885b, 6; 1893b, 811, 815; 1894a, 1, 2, 7, 37 (*cylindraceum*), 64–71, 72 (of Pachinger, 1888, syn. of *D. variegatum*), 73, 74, 75, 76, 77, 85, 86, 87, 115, 119, 125, 127, 135, 139, 144, 146, 148, 159, 163, 167, 175, 180, 181, 191, 192, 194, 199, 206, 215, 220, 221, 227, 230, 242, 268, pl. 2, figs. 39–42, pl. 7, figs. 147–152, pl. 8, 163 (includes *Fasc. subclavata*) (in *Hyla arborea*; *Rana esc.*; *R. temp.*); 1899b, 556, 559–600 (type of *Haplometra*); 1902m, 620.—Luehe, 1899, 533.—Mont., 1888a, 73; 1893, 25, 27, 33, 36, 42, 43, 48, 61, 83, 91, 102, 106, 107, 108.—Moul., 1856a, 49.—Mueh., 1898, 26.—Nord., 1840, 617, 620 (to *Fasc.*).—Olfers, 1816, 46.—Ols., 1876, 14; 1893, 10.—Pag., 1857, 43, pl. 5, figs. 3, 4 (in brown frogs).—Rhumbler (1895), v. 4, 553–554.—Rud., 1809a, 336, 349, 393–394; 1819a, 106.—Schauinsland, 1882, 496, 497.—Sieb., 1835, 82; 1852, 1, 16.—Sons., 1893, 187 (in *Rana* sp.).—Staff., 1902, 909.—Stoss., 1889, 65.—Swammerdam, 1737, 315.—Volz, 1899, 232.—Walter, 1866, 64.—Ziegler, 1883, 488; 1883, 546, pl. 33, fig. 26.—Reported for *Bufo vulgaris*; *Ilybius fuliginosus*; *Limnæa ovata*; *Rana fusca*; *R. oxyrrhinus*; *R. palustris*; *R. platyrrhinus*.  
*cylindraceum* Zed. of Pachinger, 1888.—Looss, 1894a, 71, 72 (syn. of *D. variegatum* Rud.).  
*cylindricum* (Goeze, 1782) Mayer, 1841a, 26, 34.—Looss, 1894a, 71 (syn. of *D. variegatum*).  
*cylindricum ranæ* Mayer, 1841a, 18–19, pl. 3, figs. 13, 17.  
*cymbiforme* Rud., 1819a, 96, 371 (in *Testudo mydas*; Arimini).—Braun, 1893a, 876 to Phyllost.; 1893d, 467; 1899b, —, 715, 720–721; 1899g, 492 (to Phyllost.): 1901b, 9, 10, 11, 12; 1902b, 19.—Carus, 1884, 129.—Cobbold, 1860a, 18.—Dies., 1850a, 342 (in *Halichelys atra*).—Duj., 1845a, 451.—Looss, 1899b, 605 (to *Spathidium*); 1901b, 202, 203, 204, 205, 207 (resembles *Spathidium* = Phyllostid., but lacks pharynx, hence was made type of a new genus, *Plesiochorus*); 1901, 557; 1902m, 411, 469, 476, 477, 478, 481 (to *Plesiochorus*).—Mont., 1896, 165 (*cimbiforme*).—Odhn., 1902, 37; 1902, 64, 65, 67.—Par., 1846.—Sons., 1893, Feb. 5, 2; 1893, 183, 184, 185 (in *Chelonia caretta*).—Stoss., 1895, 38, pl. 4, fig. 1; 1895, 215–216; 1897, 9; 1898, 34–35.—Reported for *Chelonia caretta*; *C. mydas*; *Chelonia midas*; *Thalassochelys caretta*; *T. corticata*.  
*cymbulæ* delle Chiaje (1841a), 109, fig. 29?.—Pag., 1862, 298.

## DISTOMA—Continued.

- cyprinaceum* Zed., 1800a, 164, 181–183 (intest. Cyprinorum).—Dies., 1850a, 341 (syn. of *D. globiporum*).—Looss, 1894a, 41 (syn. of *D. glob.*); 1902m, 763 (and *Sphaerost. glob.*).—Rud., 1809a, 365, 367.—Stiles, 1901r, 168.
- cyprini idi (peritonei)* Dies., 1858e, 367 (based on Duj., 1845a, 463) (as ? syn. of *Tetracotyle echinata*) (in *Leuciscus idus*, *Acerina cernua*).
- cysticola phalangii opilionis* Dies., 1855, 64, based on Crep., 1846, 156, see *cystidicola*.
- cysticum* Crep., 1846a, 159 (in *Planorbis* sp.), refers to Henle, 1835, 597.—Also reported for *Planorbis marginatus*, *Nepheleis vulgaris*.
- cystidicola* Crep., 1846a, 156 (in *Phalangium opilio*); 1851, 304.—Dies., 1858e, 356 (in *Phal. opilio*).
- dactyliferum* Braun, 1892a, 568, for *dactylipherum*.
- dactylipherum* Poir., 1885, 10, pl. 23, fig. 3 (in *Argonauta*).—Braun, 1889a, 395 (*dactyliferum*); 1892a, 568 (*dactyliferum*); 1893a, 873.—Buttel-Reepen, 1902, 167, 172, pl. 6, fig. 14.
- deflectens* Rud., 1819a, 677–678, 745 (in *Sylvia* sp., *Motacilla* sp.; Brazil).—Braun, 1901, 561, 563; 1902b, 101 (to *Dicrocoelium*), 102.—Cobbold, 1860a, 12.—Dies., 1850a, 347 (in *Thryothorus hypoxanthus*; Brazil).—Duj., 1845a, 433–444.—Stoss., 1892, 180; 1892, 38.
- delicatulum* Rud., 1809a, 373–374 (in *Anas sponsa*); 1819a, 99.—Blainv., 1828a, 585 (to *Fasc.*).—Braun, 1893a, 875; 1901, 561.—Cobbold, 1860, 10.—Dies., 1850a, 352–353.—Duj., 1845a, 449.—Kowal., 1897b, 1, 2 [reprint]; 1898h, 132.—Olfers, 1816, 44.—Odhn., 1900, 19.—Stoss., 1892, 180.—Also reported for *Cygnus olor*.
- deliciosum* Olss., 1893, 10, pl. 1, figs. 16–18 (in *Larus argentatus*).—Odhn., 1900, 12, 13; 1905, 311 (to *Gymnophallus*).
- delphini* Poir., 1886, 34–36, 37, pl. 4, figs. 1–3 (in *Delphinus delphis*).—Braun, 1892a, 673; 1893a, 874, 910; 1893, 354; 1900g, 251.—Looss, 1894a, 204; 1899b, 560 (to *Brachycladium*).—Mont., 1888a, 12, 38; 1893, 44, 45, 83, 86, 102, 107.—Stiles, 1895l, 219, pl. 8, figs. 1–3.—Stoss., 1892, 10 (to *Cladocelium*).
- dendricum* Ben., 1870, 36, for *dendriticum*.
- dendriticum* Rud., 1819a, 93, 364–365 (in *Xiphias gladius*).—Ben., 1870, 36.—Carus, 1884, 131.—Cobbold, 1860, 22.—Darr, 1902, 698.—Dies., 1850a, 336.—Duj., 1845a, 460.—Jacoby, 1900, 10, 11.—Kroyer, 1838–40a, 597 (in *Xiphias gladius*).—Looss, 1899b (to *Dicrocoelium*).—Par., 1896, 16–18, fig. 6 to (*Dicrocoelium*).—Stoss., 1886, 47.
- dentatum* Lint., 1900a, 269, 283, 289, 294, pl. 39, figs. 64–67 (in *Paralichthys dentatus*); 1901b, 415, 421, 451, 483; 1905, 328, 334, 369, 372, 374, 396, 411, 413, 415 (in *Coryphæna equisetis*, *Lophopsetta maculata*, *Micropogon undulatus*, *Paralichthys albiguttus*, *P. dentatus*, *Pomatomus saltatrix*, *Rachycentron canadus*; Beaufort, N. C.).—Odhn., 1905, 331.
- denticulatum* (Rud., 1802) Rud., 1809a, 424–425, pl. 5, fig. 3 (in *Anas clypeata*, *Sterna hirundo*) to (*Echinost.*); 1819a, 116, 419.—Crep., 1837, 311.—Dies., 1850a, 391–392.—Duj., 1845a, 430.—Olfers, 1816, 47.—Stoss., 1892, 170 to *Echinost.*—Also reported for *Anas sponsa*.
- depressum* Polonio, 1859 (in *Triton cristatus*; Padua) teste Par., 1894, 149.—Braun, 1892a, 579, 663.
- depressum* Stoss., 1883, 118, pl. 3, fig. 10 (in *Dentex vulgaris*; Trieste); 1886, 24; 1898, 39–40.—Carus, 1884, 130.
- detruncatum* (Braun, 1899) Braun, 1900h, 28 (in *Mycteria americana*), 33 to (*Clinost.*, 35 (from *Tantalus loculator*) to (*Clinost.*), 39.
- dicorynum* Dies., 1850a, (359, *D. affine*), 680, affine renamed (in *Lampris guttatus*).—Ben., 1870, 34.—Kroyer, 1838–40a, 598.—Stoss., 1886, 47.
- dictyotus* Mont., 1893, 156 (includes *D. reticulatum* Looss, 1885 [nec Wright]).—Braun, 1900, 26.—Looss, 1894a, 171.—MacCallum, 1899, 705.—Stiles & Hass., 1898a, 86 (*D. reticulatum* Looss, 1885 [nec Wright, 1879], (type of *Mesogonimus*).
- didelphidis* Par., 1896, 3–5, fig. 1a (in *Didelphys azaræ*).—Luehe, 1899, 532.—Stoss., 1904, 2 (*didelphydis*).
- didelphydis* Stoss., 1904, 2, for *didelphidis*.
- diesingi* Braun, 1901, 561, 563, for *diesingii*.

## DISTOMA—Continued.

- diesingii* Cobbold, 1860a, 14 (D. cochlear Dies., renamed; in *Sterna cantiaea*, S. minuta; Brazil).—Braun, 1901, 561, 563 (diesingi); 1902b, 56, 58 (syn. of *Microlistrum cochlear* (Dies., 1850a)).—Stoss., 1892, 179 (syn. of D. cochlear).
- diffusocalciferum* Gastaldi, 1854, 5–6, pl. 1, figs. 4–5 (in *Rana esculenta*).—Braun, 1893a, 870.—Cobbold, 1860a, 18.—Dies., 1855, 64 footnote (D. diffusocalciferum *ranae esculentae*); 1858e, 336 (in *Pelophylax esculentus*).—Stoss., 1889, 69.
- diffusocalciferum ranae esculenta* Gastaldi of Dies., 1855, 64 footnote (see D. diffusocalciferum Gastaldi).
- dilatatum* Fischer de Waldheim, 1840, 158 (in *Gallus communis*; Vilna).—Anacker, 1887c, 513.—Baillet, 1866b, 105.—Braun, 1893a, 874.—Caruccio, 1886b, 293.—Cobbold, 1879b, 440.—Crep., 1846, 134.—Dies., 1850a, 383–384.—Hahn & Lefèvre, 1884a, 516 (of Miram.).—Hass., 1896a, 2, 3 (syn. of *Echinost. echinatum* (Zed.)).—Landois, 1882, 23.—Linst., 1873, 106.—Stoss., 1892, 167 (syn. of *Echinost. ech. (Zed.)*); 1898, 52.—Verrill, 1870, 179.
- dilutatum* Schneidemucl, 1896, 303, misprint for dilatatum.
- dimidiatum* Crep., 1829, 55–56 (in *Acipenser sturio*).—Dies., 1850a, 372 (syn. of D. grandiporum Rud.).—Duj., 1845a, 470.—Mehlis, 1831, col. 176–177.—Mol., 1859, 826 (D. grandiporum Rud.).—Odhn., 1905, 360 (syn. of *Derogenes varicus* (Mueller) Odhn.).
- dimorphum* [see below] Dies., 1850a, 353–354 [contains D. marginatum Rud., 1819a, 680, and Duj., 1845a, 446] (in *Salmo carapus*, *Geophagus popoterra*, *Chaetobranchus flavescens*, *Crenichichla johanna*, C. lepidota; *Ardea*, *Ciconia americana*, C. mycteria, *Ardea cocoi*; Brazil); 1855c, 55–56, pl. 3, figs. 1–6; 1855, 363; 1858e, 338.—Braun, 1892a, 699, 735; 1893a, 865, 871, 872, 873, 874; 1893, 354; 1899g, 485, 486, 490; 1900c, 25, 26, 28–29; 1900h, 4, 18, 25, 32, 33, 34, 36, 42; 1902b, 116.—Cobbold, 1860a, 10.—Gamb., 1896a, 72 (in *Ardea ciconia*; Brazil).—Looss, 1899b, 651 (from *Ardea cocoi*; Brazil).—MacCallum, 1899, 697, 706, 707.—Mont., 1893, 155 (in *Gallo comune*).—Sons., 1889, 283.—Stoss., 1886, 25; 1892, 181.—Also reported for *Carapus brachyurus*, *Hydrolichus scomberoides*.
- dimorphum* Dies., 1850a, 354, pars (in *Ardea cocoi*, A. sp., *Mycteria americana*; in Brazil, collected by Natterer).—Braun, 1899g, 490, is *Clinost. marginatum* (Rud., 1819a); type is no. 1493, Berlin Museum; and nos. 343, 750, and 831, Vienna Museum; 1900h, 25.
- dimorphum* Dies., 1850a, 353, pars, in *Tantalus loculator*; in Brazil, collected by Natterer.—Braun, 1899g, 490, is *Clinost. sorbens* Braun n. sp.; type is no. 878, Vienna Museum; 1900h, 34.
- dimorphum* Dies., 1850a, 354, pars, in *Ciconia americana*, *Mycteria americana*; in Brazil, collected by Natterer.—Braun, 1899g, 490, is *Clinost. detruncatum* Braun n. sp.; types are nos. 750 and 882, Vienna Museum; 1900h, 32.
- dimorphum* Dies., 1850a, 353, 354, pars, in *Ardea cocoi*; in Brazil, collected by Natterer.—Braun, 1899g, 490, is *Clinost. dimorphum* (Dies.) Braun; types are nos. 832 and 879, Vienna Museum. [Braun erroneously says n. sp.]; 1900h, 36.
- dimorphum* of Wagener, 1852, 555–557, pl. 16, fig. 1 (from chicken) [nec Dies.].—Braun, 1900c, 25; 1900h, 18 (= D. commutatum Dies.).—Dies., 1858e, 339 (renamed D. commutatum; in *Phasianus gallus*); 1855, 64, footnote 4.—Hass., 1896a, 3 (syn. of *Mesogonimus commutatus* (Dies.)).—Rail., 1893a, 371 (to *Mesogonimus*).
- distichum* (Mueller, 1776) Zed., 1803a, 215 (in fish).—Cobbold, 1860a, 29.—Dies., 1850a, 378–379.—Rud., 1809a, 402, 440–441; 1819a, 123.
- divergens* Rud., 1809a, 371–372, 395 (in *Blennius viviparus*), Fasc. blennii Mueller, renamed; 1819a, 97, 372–373, 676.—Braun, 1892a, 636, 637, 640, 643, 646.—Carus, 1884, 129.—Cobbold, 1860a, 23.—Dies., 1850a, 337, 344.—Duj., 1845a, 461.—Fraip., 1880b, 106, 107, 265 (in *Zoarces viviparus*); 1881b, 2–4, 24; 1883a, 37.—Harz, 1881c, 5.—Kampmann, 1894b, 447, 449, 459, 460, 461.—Knoch, 1894a, 10.—Kroyer, 1838–40a, 138, 368, 583 (in *Zo. vivip.* Linn., *Knottus scorpius* Linn.).—(Lamoureux, 1824, 863.).—Looss, 1885b, 20.—Mont., 1888a, 42, 43, 44, 45, 46; 1893, 62.—Nord., 1840, 619.—Olfers, 1816, 45.—Stoss., 1886, 47.—Also reported for *Blennius cornutus*, B. gattorugine, B. tentaculatus.
- dubium* (Leidy, 1856) Dies., 1858e, 336.—Stoss., 1892, 181 (includes D. leidy Cobbold).

## DISTOMA—Continued.

- dujardini* Cobbold, 1860a, 29 (D. soleæ Duj., renamed) (in *Solca vulgaris*).
- duplicatum* Baer, 1826a, 124; 1827b, 558-570, pl. 29, figs. 1-15 (in *Anadonta ventricosa*, A. anatina).—Braun, 1892a, 769, 770; 1893a, 838; 1893b, 184.—Cobbold, 1879b, 453, 454.—Crep., 1837, 310, 325, 326.—Dice., 1836, 240; 1850a, 293 (renamed *Rhopalocerca tardigrada*; *Regiomontii*); 1855a, 380, 384; 1858d, 241, 271.—Desmonceaux, 1868, 22.—Erc., 1881c, 37, 45; 1882a, 273, 281.—Fil., 1854a, 9, 26; 1855b, 7, 20, 22, 24; 1856a, 263, 265; 1857c, 25, 27, 29, 31, 32.—Florance, 1866a, 12.—Kerber, 1851a, 90.—Kuech., 1856c, 269, 277.—Lampert, 1894.—Laveran & R. Bl., 1895, 105.—Leuck., 1863, 509, 765.—Levin., 1881a, 81.—Looss, 1894a, 17, 23, 63, pl. 4, fig. 78 (syn. of *Cerc. Dist. folii*, C. folii, young of D. folium).—Moul., 1856a, 14, 21, 51, 56, 78, 82, 120, 129, 139, 143 (to *Cerc.*), 177.—Mueh., 1898, 11.—Nord., 1832a, 57; 1840, 548, 617, 630, 631.—Pag., 1857, 6, 7, 8, 9, 28-30, 46, 52, pl. 6, fig. 14 (in *Anodonta cygnea*); 1862, 299, 300, 301, 302, 304.—Reuss, 1902, May 19, 375-377; 1902, July, 405-406; 1903, 458-477, pl. 23, figs. 1-21; 1903, Nov. 26, 206; 1905, July 3, 63-64.—Rossbach, 1906, 420, 431.—Sieb., 1835, 56; 1854, 109, note 2.—Steenstrup, 1842, 51-55, 56.—Tennent, 1906, 651, 653.—Wagener, 1857, 22, 36, 45, 51, pl. 24.—Ziegler, 1883, 540.
- echeneidis remoræ* Rud., (1821-28) 163 (in *Echeneis remora*).—Braun, 1893a, 875.—Dies., 1855, 64, footnote 16; 1858e, 356 (in *Echeneis remora*).—Stoss., 1886, 47.
- echinata* (Sieb., 1837) Ben., 1861, 89-92, pl. 11, figs. 1-8, in *Limneus auricularis*; L. ovatus; L. stagnalis: Physa; Cyclas cornea.
- echinatoides* Dies., 1858d, 263, syn. of *Cerc. (Nephrocephala) megacotyla*, for *echinatoides anodontæ*.
- echinatoides anodontæ* Pag., 1857, 32 (t. h. *Anodonta cygnea*).—Dies., 1858d, 263 (syn. of *Cerc. (Nephrocephala) megacotyla*).
- echinatum* Zed., 1803a, 220-221 (D. anatis Gmelin, 1790) Zed., 1800, renamed; made to include *Cucullanus conoideus* 1782, *Festucaria anatis* 1788, F. boschadis 1790.—Anacker, 1887c, 513.—Baillet, 1866b, 96, 105.—Baird, 1853a, 55.—Bellingham, 1844a, 426.—Ben., 1858a, 1861a, 89-92, pl. 11, figs. 1-8 (syn. *Cerc. brunnea*, C. echinata); 1868, 296.—Braun, 1883b, 28; 1883a, 70, fig. 14; 1892a, 585, 595, 633, 722, 797, 807; 1893a, 821, 861, 863, 865; 1893b, 182.—Bremser, 1824c, 134; pl. 10, fig. 4-5; 1828, 134 (of birds).—Crep., 1837, 310, 311, 312, 316, 326; 1839a, 289; 1846, 134, 141, 142, 144, 145.—Cobbold, 1860a, 33.—Dice., 1836, 240; 1850a, 344, 345, 346, 383, 398 (includes *Cucullanus conoideus*, D. anatis; D. excavatum (*Nycticorax*) Rud.; D. gruis; D. radiatum Duj.?; Fasc. anatis; F. gruis; *Festucaria boschadis*; Plan. teresporosimplici); 1858d, 261, 263 (larval stage=*Cerc. ech.*); 1858e, 344-345 (adult in *Anas boschas* dom. & fera; A. anser; A. cygnus fer.; A. clangula; A. clypeata; A. ferina; A. fuligula; Ardea comata; A. gardeni; A. grus; A. marila; A. moschata; A. nycticorax; A. nyroca; A. olor; A. pavonia; A. penelope; A. strepera; A. tadorna; Ciconia nigra; Carbo cormoranus; C. pygmaeus; Podiceps cristatus; P. minor; Stat. juven. in *Fringilla domestica*; larva in *Paludina vivipara*; *Lymnaeus stagnalis*; *Planorbis corneus*) (syn. *Cerc. (Nephrocephala) ech.*; 1859c, 433 (includes as hosts: *Cyclas cornea*; Belgium; *Lymnaeus auricularis*; L. ovatus; L. stagnalis: Physa).—Desmonceaux, 1868, 22.—Duj., 1845a, 426-427.—Erc., 1881e, 29, 31, 48, 52, 88; 1882a, 265, 267, 284, 288, 324 (syn. *Cerc. ech.*).—Fil., 1854a, 19; 1855b, 25.—Florance, 1866a, 12.—Fraip., 1880c, 418.—Gamb., 1896a, 63, 72.—Generali, 1881a, 614-615 (in dogs) [Erc.]; 1882a, 70-71.—Giebel, 1857, 265.—Hahn & Lefèvre, 1884a, 516 (of Ben.) (in Canara).—Harz, 1881c, 4.—Hass., 1896a, 2, 3 (to *Echinost.*).—Kastenbaum, 1899, 244, fig. 33, 5, 34, 7.—Kowal., 1894, 3; 1895, 351-352, pl. 8, figs. 1-3, 12a, 13; 1896d, 7 (257) (in *Corvus cornix*; *Anas crecca*; *Dublanys*).—Leidy, 1888, 126; 1904a, 211.—La Valette, 1855, 32.—Leuck., 1863, 82, 498, 526, figs. 143, 144, 178, 180; 1879, 15, 102, 107; 1886d, 11, 76, 80.—Linst., 1873, 1, 98, 101, 105-106 (young stage=*Cerc. ech.* Sieb.) (in *Anas boschas*); 1884, 139; 1894b, 333 (in *Bythinia ventricosa*, Physa fontinalis, Valvata macrostoma, Limnaea palustris).—Looss, 1892a, 14; 1893b, 813, 814; 1894a, 2, 119, 120, 124, 159, 168, 169, 170, 172, 215, 230, pl. 6, figs. 114, 115-117, pl. 9, figs. 191-192; 1895c, 74, 75; 1896b, 10; 1899b, 556; 1902m, 804, 805, 810, 811, 822.—Lutz, 1892a, 785.—Mégnin, 1884, 53.—Mol., 1858, 290; 1861, 216.—Mont., 1888a, 14, 24, 40.—Moul., 1856a, 190 (larva is *Cerc. ech.*, teste La Valette).—Nathusius, 1835, 53.—Nord., 1832a, 47, 90, 98 (in Barsch); 1840, 621 (syn. of Fasc. trigonocephala).—Pag., 1857, 244-251 (experimental

## DISTOMA—Continued.

- infections); 1858, 5-6; 1859, 58, 60.—Par., 1887, 489.—Rail., 1893a, 366.—Rud., 1809a, 418-420 to (Echinost.), 431, 432; 1814a, 102; 1819a, 115, 121, 416-417, 685-686.—Schneidmuehl, 1896, 303.—Schlotthauber, 1860, 129.—Sieb., 1835, 57; 1854, 23.—Sons., 1890, 134.—Stiles & Hass., 1898a, 87, 96 (type of Echinost.).—Stoss., 1890, 51; 1891, 111; 1892, 167 (to Echinost.); 1898, 52.—Tasch., 1879, 71.—Verrill, 1870, 179.—Ward, 1895, 341 (in *Canis familiaris*; duodenum).—Wedl, 1857, 245-246, pl. 1, figs. 5-6.—Zuern, 1882, 207.—Also reported for *Anas clypeata*; *A. querquedula*; *Anser cinereus* dom.; *Ardea grus*; *A. nycticorax*; *Aythya americana*; *Colymbus minor*; *Cygnus musicus*; *C. olor* ferus; *Fiber zibethicus*; *Fuligula ferina*; *F. marila*; *F. nyroca*; *Hausente*; *Limnæa*; *Paludina vivipara*; *Phasianus gallus*.
- echinatum* (Zed.) of Wedl, 1858, 245, pl. 1, fig. 5, from *Phalacrocorax carbo* is, according to Looss, 1899b, 681, a misdetermination.
- echiniferum* (La Valette, 1855) La Valette, 1855, 32.—Braun, 1892a, 772.—Cobbold, 1879b, 454.—Dies., 1858d, 261, 262, 263 (larval stage = Cerc. (Nephrocephala) echinatoidea); 1858e, 345-347 (in Stat. juven. in *Fringilla domestica*); 1859c, 433 (syn. *D. militare* Ben., 1858a, 84, in *Scolopax gallinago*; *Mergus merganser*; *Podiceps minor*; *Anas boschas*).—Erc., 1881e, 29, 31; 1882a, 265, 267.—Moul., 1856a, 201.—Rail., 1893a, 366 (syn. of *D. echinatum*).—Stoss., 1892, 171 (to Echinost.).—Ward, 1895, 341 (syn. of *D. echinatum*) (in *Canis familiaris*).—Zuern, 1882, 207.
- echiniferum paludinarum* Pag., 1857, 30-32, 52, pl. 2, figs. 5-6 (in *Paludina vivipara*; on 55, descr. of pl. 2, echiniferum).
- [*echinocephala* Crep., 1837a, 326, as name of a group of distomes; quotes Nitzsch.]
- echinocephalum* Rud., 1819a, 115, 418 (in *Falco milvus*) to (Echinost.) (contains *D. milvi* Rud., 1809a, 429).—Braun, 1893a, 874.—Dies., 1850a, 385 (syns. *D. milvi*; *Fasc. milvi*; *Plan. latiuscula* Goetze).—Duj., 1845a, 425.—Stoss., 1892, 173 to Echinost.
- echiuri* Greef, 1879a, 130 (in *Echiurus pallasi*).—Braun, 1893a, 869; 1893d, 468.
- elegans* (Rud., 1802) Rud., 1809a, 375-376; 1819a, 100.—Braun, 1901, 561, 564, 567; 1902b, 38-39, 40 (Vienna no. 362 from *Fringilla coelebs* = *pars* Urog. mac.; no. 363 from *F. montana* = *pars* Plagiorchis = *D. cirratum* Rud.), 41, 42, 45, 47, 48, 49 (to Plagiorchis) (syn. of *Urogonimus macrostomus*).—Cobbold 1860a, 12.—Crep., 1829, 59-63; 1837, 313, 316.—Dies., 1836, 240; 1850a, 349-350 (includes *D. erraticum* Rud.).—Duj., 1845a, 414-415 to (*Brachylaimus*).—Fil., 1855b, 8.—Mehlis, 1831, 179.—Mueh., 1896, 589.—Olfers, 1816, 44.—Schlotthauber, 1860, 129.—Sieb., 1835, 56.—Stoss., 1892, 153; 1892, 11 to (*Brachylaimus*); 1904, 2.
- elephantis* Dies., 1858, 354 (based on Jackson, 1847, 317; in *Elephas indicus*) (to *Cladocœlium*); 1858e, 354 (in *Elephas indicus*).—Cobbold, 1860a, 8-9 [see *Fasc. jacksoni* Cobbold]; 1879b, 394.—Fitz., 1876b, 513.—Stoss., 1892, 9 (to *Cladocœlium*).—Jackson, 1847, 317 [see *Fasc. jacksoni* Cobbold].
- ellipticum* Mol., 1858, 130 (in *Acipenser nasus*; Patavii); 1861, 216-217, pl. 3, figs. 1, 4.—Carus, 1884, 126.—Dies., 1850a, 351; 1858e, 351 (in *Ac. nasus*).—Stoss., 1886, 41, to (Echinost.).
- elongatum* Mehlis, 1831, 177 (in *Larus argentatus*, *L. marinus*, *L. ridibundus*).—Crep., 1837, 316; 1846, 139.—Dies., 1850a, 397.—Stoss., 1892, 181.—Also reported for *Chroocephalus ridibundus*.
- embryo* Olfers, 1816, 110, fig. 16 (in *Perca vulgaris*, *P. cernua*).—Cobbold, 1860a, 26; 1879b, 458.—Dies., 1850a, 365 (includes *D. longicollis* Crep.).—Kroyer, 1838-40a, 579 (in *Acerina cernua*).—Stoss., 1886, 48.
- [*endemica* Sons., 1884, 17-21 (not as specific name but refers to *Dist. ringeri* endemic in Japan and Formosa).]
- endemicum* Bætz, 1883, 235 (sub. *D. hepatis*).—Braun, 1893b, 187; 1893, 349, 352; 1893f, 386, 425 (syn. of *D. japonicum* R. Bl.).—Corlette, 1897a, 146.—Dunglison, 1893, 338.—Hoyle, 1890, 538.—Huber, 1896a, 577.—Ijima, 1886a, 47-59, pl. 7, figs. 1-9; 1887a, 596; 1888a, 213-215; 1889b, 137.—Jamieson, 1897b, 147 (syn. of *D. sinense*).—Katsurada, 1891c, 151-155.—Laspeyres, 1904a, 6.—Lockwood, 1901, 2 ed., 821.—Looss, 1907, Feb. 1, 141-147.—Mont., 1888a, 25, 36, 52, 58, 60.—Rail., 1890, 143.—Simon, 1897, 223.—Sons., 1889, 278, 279, 280, 282 (syn. *D. japonicum* Bl.) (in *Felis* dom.).—Stiles, 1904i, 35 (syn. of *Opisthorchis sinensis*).—Stoss., 1892, 23-24 (syns. *D. sinense*, *D. spatulatum* Leuck.).—Reported also for *Homo sapiens*, China, Giappone,

## DISTOMA—Continued.

- Bengal, Tonkin, Corea, Formosa; *Felis domestica*).—Tyson, 1903, 3 ed., 1180 (syn. of *D. sinense*).—Ward, 1903, 870 (syn. of *Opisthorchis sinensis*).
- endemicum hepatis* St. Remy, 1883, 528–529, fig. 3.—La Clínica de Málaga, 1883, 309.—Cf. *hepatis endemicum*.
- endoboluum* Mont., 1891, 110, for *endolobum*.
- endolobium* Gurlt, 1845a, 288, 290 (for *endolobum*).
- endolobum* Duj., 1845a, 397 (in *grenouilles vertes et rousses et la salamandre*; Rennes).—Brand., 1892, 506.—Braun, 1889a, 355; 1892a, 598, 642, 700, 701, 715, 718, 719, 797, 806; 1893a, 818, 824, 860, 861, 865, 916; 1893b, 182.—Buetschli, 1872, 234–236, pl. 8.—Cobbold, 1860a, 17; 1879b, 454.—Dies., 1850a, 388–389; 1858d, 252 (larva is *Cerc. (Acanthocephala) armata* Sieb.); 1858e, 348, 349 (adult in *Salamandra maculosa*, Rhedoni; *Pelophylax esculentus*, Heidelberg; *Rana temporaria*; larva in *Planorbis corneus*, *Paludina impura*, *Lymnaeus stagnalis*); 1859c, 434 (*Cerc. armata*).—Engel, 1866a, 8.—Erc., 1855a; 1881e, 21, 82, 84; 1882a, 257, 318, 320.—Fil., 1857c, 32.—Florence, 1866a, 11.—Gamb., 1896a, 72.—Harz, 1881c, 4.—Jucl, 1889, 15.—Kampmann, 1894b, 446–454, 457, 461, 462, pl. 20, figs. 19–23.—Kath., 1894a, 146.—Kerbert, 1881a, 572.—Kowal., 1894, 3.—Lander, 1904a, 16.—Linst., 1873, 1 (young is *Cerc. armata*); 1887, 97–101, 102, pl. 2, figs. 1–2 (syn. *D. rastellus*); 1894b, 332–333 (larva in *Phryganica flavicornis*, *Limnophilus rhombicus*, *L. griseus*, *Anabolia nervosa*, *Ephemera vulgata*, *Chloëon dipterum*).—Looss, 1885b, 24; 1892, 66; 1893b, 815; 1894a, 2, 19, 26, 82, 83, 84–90, 94, 95, 122, 123, 124, 137, 140, 149, 150, 158, 159, 179, 181, 187, 188, 189, 190, 191, 202, 206, 207, 208, 214, 215, 216, 230, 231, 240, 245, 249, 259, 264, 270, pl. 2, figs. 27–29, pl. 7, figs. 153–156, pl. 8, figs. 157–162, pl. 9, figs. 176–186 (syns. *D. rastellus*; *D. retusum* Duj. of Ben.; *Fasc. ranæ*); (reported for *Bufo vulgaris*, *B. variabilis*, *B. calamita*, *Rana esculenta*, *R. temporaria*, *Triton cristatus*); 1896b, 95; 1899b, 589, type of *Opisthioglyphe*; 1905, 21 (*Fasc. ranæ*).—Mont., 1891, 110 (*endoboluum*); 1893, 28, 83.—Mueh., 1898, 28.—Ols., 1893, 11.—Pag., 1857, 19, 41, 52, pl. 5, fig. 1 (in green frogs).—Schwarze, 1885, 67.—Sons., 1893, 188 (in *Rana esc. L.*).—Staff., 1900, 404, 406; 1902, 724.—Ziegler, 1883, 557.—Also reported for: *Gammarus pulex*, *Limnophilus rhombicus*, *Triton alpestris*.
- enterarchos* deFil.—Par., 1896, 13, syn. of *D. crassicolle* Rud.
- epatico* Galli-Valerio, 1893a, 178, 181, pl. 2, figs. 3, 4.
- ercolani* Mont., 1893, 40, for *ercolanii*.
- ercolanii* Mont., 1893, 40, 42, 43, 83, 86, 95, 98, 102, 188, pl. 6, fig. 67.—Braun, 1901b, 13 (includes *D. signatum* Erc. [not Duj.]), 15, 16.—Looss, 1899b, 567 (in all probability identical with *Telorchis linstowi*).—Luehe, 1899, 528, 529, 530.—Rizzo, 1902, 28.—Stoss., 1895, 223–224, to (*Dicrocoelium*); 1904, 1 (includes *D. signatum* Erc. [not Duj.], in *Tropidonotus viperinus*, 5–6 (to *Telorchis*).—Volz, 1899, 235, 237.—Reported also for *Tropidonotus natrix*.
- erinacei* (Bl., 1847) Braun, 1889, 343.
- erinaceum* Poir., 1886, 37–38, pl. 4, fig. 6 (in *Delphinus delphis*).—Braun, 1892a, 643; 1893a, 870.—Looss, 1899b, 590 (probably an *Astia*).—Mont., 1893, 83, 86, 105, 106, 107.—Stoss., 1892, 22, to (*Dicrocoelium*).
- eriocis* (Mueller, 1788) Zed., 1803a, 212.—Dies., 1850a, 363 (syn. of *D. hyalinum* Rud.).—Rud., 1809a, 389.
- erraticum* Rud., 1819a, 120 (in *Fringilla linaria*, *Motacilla alba*, *Parus cœruleus*, *P. major*, *P. palustris*, *P. pendulinus*).—Braun, 1902b, 38 (of Linst., 1894, 335, syn. of *Plagiorchis elegans* Rud.), 42.—Dies., 1850a, 350 (syn. of *D. elegans* Rud.), 361 (syn. of *D. macrostomum* Rud.).—Duj., 1845a, 443.—Erc., 1881e, 73; 1882a, 309.—Kowal., 1896d, 3 (253) (in *Picus major*; *Dublan*).—Linst., 1894b, 335–336 (in *Parus major*).—Luehe, 1899, 531 (probably a *Plagiorchis*).—Stoss., 1892, 183 (syn. of *D. macrost.* Rud.).
- esocis lucii* Rud., 1809a, 438–439 (in *Esox lucius*), based on Rud., 1803, 29–30.
- eurystomum* Linst., 1877, 183–184 (in *Anas clangula*).—Stoss., 1892, 159, to (*Dicrocoelium*) (in *Bucephala clangula*).
- exasperatum* Rud., 1819a, 117, 421–422 (in *Sorex eremita* to (*Echinost.*)).—Braun, 1901b, 22; 1901, 341–344, pl. 19, figs. 6–7 (includes *D. exasperatum* Duj., 1845a; Dies., 1850a; *D. (Brachylaimus) exasperatum* Stoss., 1892; *D. (Brachylaimus) rubens* Duj., 1845a; *D. rubens* Dies., 1850a).—Cobbold, 1879b,

## DISTOMA—Continued.

- 296.—Crep., 1837, 311.—Dies., 1850a, 391.—Duj., 1845a, 411.—Stoss., 1892, 15 (in *Crossopus fodiens*, *Sorex tetragonurus*) (includes *D. rubens*).
- excavatum* (Rud., 1803) Rud., 1809a, 399–400, 404 (in *Ardea ciconia*); 1819a, 109 (in *A. ciconia*, *A. nycticorax*), 402–403.—Dies., 1850a, 383 (*[nycticoracis]* syn. of *D. echinatum* Zed.).—Lamouroux, 1822a, 194.—Nord., 1840, 628 (to Holost.).—Rail., 1893a, 366 (syn. of *D. ech.*).—Ward, 1895, 341 (in *Canis familiaris*) (syn. of *D. ech.*).—See next entry.
- excavatum* (Rudolphi, 1803) Blainv., 1824a, 518–519 (a holostome).—Dies., 1850a, 310 (to Hemist.).—Duj., 1845a, 375.—Mehlis, 1831, 175.—Nathusius, 1837, 53.—See foregoing entry.
- excisum* Rud., 1819a, 112, 411–412, 685 (in *Scomber colias*, at Naples; *Scomber scomber*, at Arimini).—Bellingham, 1844, 425.—Ben., 1870, 37.—Braun., 1892a, 654, 682.—Bremser, 1824, 134, pl. 9, figs. 19–20.—Carus, 1884, 128.—Cobbold, 1860a, 25.—Cohn, 1902k, 54, to (*Lecithocladium*).—Crep., 1837, 326; 1839, 289.—Dies., 1850a, 375–376; 1858c, 342, 343; 1859c, 432.—Duj., 1845a, 436.—Harz, 1881c, 5.—Kroyer, 1838–40a, 236, in *Scomber scombrus*.—Looss, 1899b, 640 (to *Hemiusurus*).—Luehe, 1901, 397, 398.—Mol., 1858, 290; 1859, 841; 1861, 211–212.—Mont., 1891, 497, 500, 502.—Olss., 1868, 51; 1876, 21.—Sons., 1891, 259 (in *Scomber scombrus*).—Stoss., 1883, 116; 1886, 15.—Wagener, 1860, 165, 166, 172–176, pl. 8, figs. 8–14.
- exiguum* Mueh., 1898, 17, 25, 89–90, fig. 11 (in *Circus rufus*).—Looss, 1899b, 564 (type of *Holometra* Looss).
- expansum* (? Creplin, 1842) Mont., 1892, 714 [speaks of *M. expansum* on same page], probably lapsus for *expansum* Crep., 1842.
- erspinosum* Hausmann, 1896a, 391; 1897b, 4, 6, 20, 22, pl. 1, figs. 4–5 (in *Barbus fluviatilis*).—Looss, 1899b, 598 (to *Asymphyllodora*).
- fabonii* Mol., 1859, 289 (in *Cantharus vulgaris*; Batavii); 1858, 289; 1861, 202–203.—Carus, 1884, 130.—Dies., 1859c, 428–429.—Sons., 1890, 142–143 (in *Cantharus lineatus* Mont.).—Stoss., 1886, 27.
- factum* Mont., 1893, 32, misprint for *fractum*.
- falcolaræ* Leidy, MS., in Stiles & Hass., 1894d, 250 (name found in bottle in Leidy collection; is probably *D. trapezium* Leidy).
- falconis chrysaëti* Rud., 1809a, 429 (= *D. felleum Falconis chrysaëti* Viborg).
- falconis milvi* Rud., 1809a, 429–430, for *F. milvi* Gmelin.
- falconis rufi* Rud., 1819a, 119 (in *Falco rufus*; Cat. Ent. Vien.).—Dies., 1850a, 346 (syn. of *D. lineola*).—Duj., 1845a, 442.—Stoss., 1892, 183 (syn. of *D. lin.*).
- fullax* Rud., 1819a, 117, 120 (in *Uranoscopus scaber*; Naples).—Carus, 1884, 126.—Cobbold, 1860a, 37, to *Echinost.*—Dies., 1850a, 392.—Duj., 1845a, 432.—Looss, 1899b, 576, 581, 582; 1901, 655, 658; 1902m, 789, 804, 805, 811, 822, type of *Anisogaster* 1901 [not 1863] and *Anisocladium*, 1902.—Stoss., 1886, 34; 1890, 41.—Wagener, 1860, 170.
- farionis* (Mueller, 1788) Bl., 1891, 481–483, fig. 38 (includes *F. truttæ* Frœlich, *D. laureatum* Zed.).—Braun, 1893b, 179, 184.—Hausmann, 1897b, 4, 6, 17, 20, 22, 35 (in *Thymallus vulgaris*).
- fasciatum* Rud., 1819a, 97, 373–374, 595 (in *Labrus tinca*, *L. merops*, *Perca marina*; Naples).—Barbagallo & Drago, 1903, 410 to (*Dicrocoelium*) (in *Crenilabrus cœruleus*; Catania; *Serranus scriba*).—Braun, 1891d, 421; 1892a, 720, 765; 1893a, 910; 1893b, 184 (in *Labrus merula*).—Carus, 1884, 130.—Cobbold, 1860a, 23.—Dies., 1850a, 344 (includes *D. labri* Rud., 1819a, 122).—Duj., 1845a, 456.—Lint., 1900, 291.—Looss, 1899b, 571 (this form as described by Stoss., 1885, belongs to *Creadiinae*, possibly to *Creadium*); 1901, 399, 401.—Mont., 1888a, 66; 1893, 192, pl. 1, fig. 15.—Odhn., 1901, 484, 485, 486, 487, 488, 490, 491, 493, 496, 497; 1902, 160.—Olss., 1868, 32.—Sons., 1890, 141 (in *Serranus scriba* L.); 1891, 257.—Stoss., 1885, 160; 1886, 32; 1892, 64; 1898, 46; 1902, 578.—Will.-Suhm, 1870, 8; 1871, 182, pl. 11, fig. 7.—Also reported for *Anguilla vulgaris*, *Crenilabrus melops*, *C. tinca*, *Ctenolabrus rupestris*, *Labrus mixtus*.
- felinum* Rivolta, 1884, 20–29, 1 pl. (in cat and dog; Italy).—Askanazy, 1900b, 491 (cats and dogs; Italy), 494 (*felinum*); 1900c, 72–80; 1901, 72, 73, 74, 75, 76, 77, 78, 79, 80 (cases in man); 1906, 127–131 (in *Idus idus*, *Leuciscus rutilus*).—Braun, 1893, 349, 351, 352, 353; 1893f, 386, 387, 388, 390, 391, 392, 422, 423, 424, 425 (includes *D. conus* Gurlt, Sons., *D. lanceolatum* Crep. p.p., Sieb., van

## DISTOMA—Continued.

- Tright: in dogs and cats, 426, fig. 3 (extensive account of early synonymy); 1894, 129; 1894i, 602, 605, 606; 1895b, 148–151, figs. 66–68; 1900g, 250; 1901e, 314, 315, 338; 1902b, 5.—Kholodk., 1897, v. 27 (1), 185–186 (in man).—Huber, 1896a, 576 (syn. of *D. sibiricum*).—de Jong, 1887a, 57ff (in dog; Holland); 1886–87; 1887b, 223, 224; 1896a, 1, 2, 3, 4, 9, 10, 11, fig. 4.—Kamensky, 1900a, 1–23 (syn. of *Opisthorchis tenuicollis* Rud., Much.); 1900b, 1–23; 1901a, 323–324.—Kholodk., 1898, 26, 29, pl. 9, figs. 10–12; 1899a, 152.—Kowal., 1898g, 74; 1898h, 144 (41).—Laspeyres, 1904a, 513 (felinum).—Linst., 1903, 279.—Looss, 1896b, 58, 59; 1899b, 530, 674, 675, 676; 1905, 89 (to *Opisthorchis*).—Moniez, 1896, 86, 123, 136–141, fig. 26.—Much., 1898, 15, 16, 21 (syn. of *D. tenuicollis*), 24.—Rail., 1893a, 361.—Ratz, 1898, 67–69, fig. 1 (felinum); 1900, 250; 1900, 141–142; 1900, 532.—Rindfleisch, 1904, March, 346 (in man); 1904, 8.—Roth, 1904, 93–94 (in man, infection from *Leuciscus rutilus*).—Schneidemuehl, 1896, 302.—Shaw, 1901, 1027.—Simon, 1897, 223.—Sons., 1889, 276, 280; 1889, 281 (syn. of *D. conus* (Crep.)); 1897, 254, 255, 256–257 (in *Canis* fam.; Pisa); 1897, Apr., 221.—Stiles, 1894n, 358–360.—Stiles & Haas., 1894e, 426–427, figs. 5–8; 1898a, 85 (type of *Opisthorchis*).—Tyson, 1903, 3 ed., 1181 (in cats and man).—Ward, 1895, 152; 1895, 238 (man, cat, dog; includes *D. lanceolatum* of cats and dogs), 243–244 (includes as syns. *D. conus* Gurlt nec (Crep.); *D. lanceolatum* Sieb., 1836; *D. truncatum* Rud. pars.); cat, dog, and glutton; Europe; man; Siberia), 328 (in *Homo*; biliary ducts), 341 (in *Canis familiaris*; biliary ducts); 1895, (3), Mar., 152–158, 1 fig.; 1895, 8 pp.; 1895, 304–309; 1901, 180 (of Ward syn. of *Opisthorchis pseudofelineus*).—Weichselbaum, 1898, 315.—Also reported for *Gulo borealis*.
- felinum* of Ward, 1895, 152–158, 1 fig.; 1895 (nec Riv.), 239, fig. 1, 240, fig. 2, 242, fig. 3 (= *Opisthorchis pseudofelineus*); 1896, 5 Nov., 709; 1901, 180.
- felinum* (*sibiricum*) Askanazy, 1900b, 491–502, for *felinum*, cases in man; 1900c, 711, 712.
- felinum* (see *D. felinum*; misprint in Ratz, 1898, 67).
- felleum falconis chrysaeti* Viborg, 1795, 243 (renamed *D. Falconis chrysaeti* by Rud.).—Dies., 1850a, 376 (syn. of *D. crassiusculum*).
- fellis* Olss., 1868, 44–46, pl. 5, fig. 94 (in *Anarhichas lupus*).—Braun, 1893a, 875.—Jacoby, 1899c; 1900, 1, 12–16, 20, figs. 8–12.—Lint., 1900, 291.—Luehe, 1900, 504.—Odhn., 1905, 307, 309, 310.—Stoss., 1886, 24 (in *Anarhichas lupus*).
- feroxis* Mont., 1888a, 14, apparently misprint for *ferox*.
- ferox* (Rud., 1795) Zed., 1803a, 221.—Baird, 1853a, 56, includes *Echinorhynchus ardeæ nigre* Braun.—Ben., 1868, 295, 296–299, pl. 1, figs. 1–5.—Braun, 1892a, 568, 583, 584, 721; 1893a, 877, 881.—Bremser, 1824, pl. 10, figs. 6–11.—Crep., 1837, 311, 312, 316, 326.—Dies., 1850a, 387–388 (syns.: *Plan.*, *D. ardeæ* Zed.; *D. ardeæ stellaris* Rud.; *Echinorhynchus ardeæ nigre* Braun; *Fasc. ardeæ* Gmelin).—Duj., 1845a, 429–430.—Gamb., 1896a, 63.—Giebel, 1857, 265.—Kowal., 1896d, 253 (3) (in *Ciconia alba*; Dublany).—Leuck., 1886d, 11; 1879, 14.—Linst., 1873, 106 (in *Ciconia alba*).—Looss, 1892a, 14.—Mayer, 1841a, 4.—Mol., 1858, 130; 1861, 219.—Mont., 1888, 14.—Nathusius, 1837, 53.—Nord., 1832a, 90.—Olfers, 1816, 47.—Olss., 1876, 22.—Rud., 1803, 90; 1809a, 426–427, to (*Echinost.*), 433; 1814a, 102; 1819a, 116–117, 120, 419–420.—Villot, 1875, 473.—Also reported for *Ardea ciconia*, *A. nigra*, *A. stellaris*, *Ciconia nigra*.
- ferruginosum* Linst., 1877, 184–185, pl. 14, figs. 25–27 (in *Barbus fluviatilis*).—Braun, 1892a, 587, 729, 766.—Haussmann, 1897b, 30.—Looss, 1894a, 24, 25, 26, 31, 32, 123 (syn. of *D. perlatum*).—Stoss., 1886, 48.
- filicolle* (Rud., 1819a) Ben., 1858a, 1861a, 104–107, 111, 187, 189, 195, 199, 200, 201, pl. 10, figs. 1–10 (includes *D. okenii*); 1870c, 137.—Braun, 1892a, 698–727.—Carus, 1884, 128.—Cobbold, 1860a, 31 (in *Brama raii*), to *Köllikeria* as type.—Leuck., 1879, 137; 1886d, 106.—Mont., 1888a, 9, 18, 52, 62, 93, 104; 1893, 150.—Sons., 1890, 143 (of Wagener).—Stoss., 1886, 17.
- filiferum* Sars, 1885, 222, pl. 38, figs. 19–21 (in *Nematoscelis megalops* S., *Thysanocæssa gregaria* S.; South Atlantic Ocean).—Braun, 1893a, 836, 837, 853.—Linst., 1888, 17.—Mont., 1893, 40, 42, 43, pl. 5, fig. 61.
- filiforme* Rud., 1819a, 112, 411, 772 (in *Cepola tænia* at Arimini; *Cepola rube-scens*).—Braun, 1883a, 41; 1892a, 672.—Carus, 1884, 131.—Cobbold, 1860a, 28.—Dies., 1850a, 375.—Duj., 1845a, 460–461.—Stoss., 1886, 48.—Will.-Suhm, 1870, 8; 1871, 182.



## DISTOMA—Continued.

- flum* Duj., 1845a, 418 (in moineaux at Rennes), to (*Brachylaimus*).—Cobbold, 1860a, 15 (in *Fringilla* dom.).—Dies., 1850a, 376.—Hausmann, 1897b, 28.—Stoss., 1892, 152.
- fimbriatum* Busch, 1851, 99, pl. 15, fig. 12 (in *Sagitta*).
- flagellatum* Moniez, 1891, 27 (in *Gymnotus electricus*); 1896, 144.
- flavescens* Pag., 1857, 34–35, pl. 3, fig. 14 (in *Bulimus radiatus*).—Braun, 1892a, 642.—Dies., 1858d, 278 (to *Cercariaeum*).
- flavescens* Ben., 1870, 47, pl. 5, fig. 4, (in *Gobius jozo*; *G. minutus*).—Stoss., 1886, 21.
- flavocinctum* Linst., 1879, 183–185 (in *Anguis fragilis*).—Stoss., 1895, 230; 1897, 9 (= *D. crassicolle*); 1898, 32.
- flexum* Lint., 1892, 98–99, pl. 6, figs. 36–44 (in *Oedemia americana*).
- flexuosum* Rud., 1808a, 346; 1809a, 50, 389–391 (in *Talpa europaea*); 1819a, 105.—Bellingham, 1844a, 424.—Braun, 1891d, 421; 1901a, 33.—Cobbold, 1860a, 7; 1879b, 296.—Dies., 1850a, 360; 1858e, 341 (in *Talpa europaea*).—Duj., 1845a, 398–399.—Hausmann, 1897b, 28.—Looss, 1899b, 562, type of *Omphalometra*.—Mueh., 1896, 244–248, figs. 1–8; 1896, 588; 1898, 16, 28.—Olfers, 1816, 44.—Stoss., 1892, 26 (in *Talpa europaea*; Greifswald, Copenhagen, Rennes).
- foecundum* Lint., 1900, 269, 282, 289–290, pl. 36, figs. 27–35, pl. 37, figs. 36–37 (in *Lopholatilus chamæleonticeps*); 1901, 415, 419, 432, 472.
- foliaceum* Mol., 1859, 288 (in *Gobius paganellus*; *Batavii*); 1861, 199.—Carus, 1884, 131.—Dies., 1859c, 428.—Stoss., 1886, 48.
- foliatum* Lint., 1898, 532–534, pl. 49, figs. 3–5, pl. 50, figs. 1–3, pl. 51, figs. 1–4 (in *Mola mola*); 1900, 282; 1901, 415, 422, 466; Looss, 1902m, 644, to *Orophocotyle*.
- foliiforme* Crep., 1846, 149 (in *Squalus griseus*); 1837, 317.
- folium* Olfers, 1816, 45, fig. 15 (t. h. *Esox lucius*).—Bell, 1887a, 117.—Braun, 1892, 44; 1892a, 642, 663, 674, 697, 710, 716, 720, 723, 737, 746, 783, 785; 1892g, 461–463; 1893a, 876; 1893d, 467; 1899, 2; 1899g, 490, 492, type of *Phyllodist.*; 1899b, 721; 1901b, 9, 10, 12.—Cobbold, 1860a, 23.—Cohn, 1896, 240.—Darr, 1902, 688.—Dies., 1850a, 343 (in *Esox lucius*; Berlin); 1858e, 335.—Duj., 1845a, 464.—Fil., 1855b, 25.—Hausmann, 1897b, 15.—Kroyer, 1846–53a, 253.—Looss, 1893b, 813, 814, 815; 1894a, 2, 18–24, *D. duplicatum* (*Rhopalocerca tardigrada*), viewed as young form, 28, 29, 31, 58, 62, 63, 64, 110, 125, 136, 137, 138, 142, 159, 161, 167, 174, 179, 181, 183, 185, 186, 194, 197, 200, 204, 206, 211, 215, 217, 227, 230, 269, 270, 275, pl. 1, figs. 19–22, pl. 4, figs. 75–80 (reported for *Acerina cernua*; *Cottus gobio*; *Salmo umbra*; *Thymallus vulgaris*; *Trutta variabilis*); 1899b, 605, type of *Spathidium*; 1902m, 476, 477.—Mont., 1888a, 7, 55; 1893, 83, 102, 107.—Mueh., 1898, 11, 15, 28.—Odhn., 1902, 64, 65.—Rosbach, 1906, 377, 388.—Rud., 1819a, 96–97, 371–372, 588.—Spengel, 1892.—Ssinitzin, 1901, v. 24, 25 Nov., 689–694 (in *Dreissenia polymorpha*); 1902, 359–360; 1904, 768, figs. d, e.—Staff., 1902, 481, to (*Spathidium*), in *Ameiurus nebulosus*.—Stoss., 1886, 48.—Wagener, 1855, 1857, 26, 27.—Will.-Suhm, 1873.—Zschokke, 1884.
- formosum* Sons., 1890, 134–136 (in *Grus cinerea* Bechst.); 1891, 2 Mch., 291.—Braun, 1892a, 698; 1901, 944; 1902b, 21, 22.—Mont., 1893, 82, 148; 1896, 166.—Ofenheim, 1900, 160.—Stoss., 1892, 143 (to *Polyorchis*).
- fractum* Rud., 1819a, 107, 397 (in *Sparus salpa*; Naples).—Braun, 1893a, 910.—Carus, 1884, 124.—Cobbold, 1860a, 28.—Dies., 1850a, 377–378.—Duj., 1845a, 458.—Jacoby, 1900, 4.—Looss, 1894a, 170, 204, 219.—Luehe, 1900, 487.—Mont., 1892, Oct. 7, 174, 175; 1893, 13, 23, 24, 32 (*factum*), 33, 40, 41, 42, 43, 61, 79, 82, 83, 85, 87, 88, 91, 94, 96, 98, 102, 105, 106, 107, 114, 120, 141, 146, 167–172, 175, 186, pl. 1, fig. 9, pl. 5, fig. 62, pl. 6, figs. 81–86, pl. 7, figs. 110–111, pl. 8, figs. 112, 114.—Nord., 1832a, 35.—Odhn., 1905, 328.—Sons., 1890, 139–140 (in *Box salpa* Cuv.); 1891, 262.—Stoss., 1886, 49, to (*Podocotyle*); 1887, 184; 1892, 65.
- fragile* Lint., 1900, 269, 282, 295, pl. 39, figs. 68–70 (in *Mola mola*); 1901, 415, 420, 466.—Type of *Stenocollum* 1904.
- fraternum* Looss, 1894d, 42–48, pl. 2, figs. 13–15 (in *Pelecanus onocrotalus*); 1895a, 1896b, 60–63, 101, 154, 156, pl. 4, figs. 36, 37 (in *pelican, Alexandria*); 1899b, 535, 550, 556, to *Coenogonimus*; 1902m, 804, 805, 886, 887.—Braun, 1901e, 334, 336, 338.—Jacoby, 1900, 23.—Jägers., 1898, 9, 12.—Luehe, 1899, 539, to *Cotylogonimus* (*Cotylogonimus*).—Moniez, 1896, 143–144.—Mueh., 1898, 81, 82 (considers *D. concavum* a *Mesogonimus* and more or less related to *fraternum* and *heterophyes*).—Sons., 1896, 314.—Stoss., 1898, 42.

## DISTOMA—Continued.

- forlichii* Kowal., 1894, 3, host not given (to Echinoest.); 1895, 353–355, pl. 8, figs. 4–8, 12 b; 1895, 372–390, pl. 8, figs. 1–6.
- fuligula ferina* Dies., 1858e, 355 (in *Anas ferina*; Ireland) based on Bellingham, 1844, v. 13, 430.—Stoss., 1892, 167 (to Echinoest. echinatum).
- fulvum* Rud., 1819a, 98, 374–375 (in *Gadus molva* at Naples; *G. mediterraneus*).—Bellingham, 1844a, 423.—Carus, 1884, 131.—Cobbold, 1858b, 157, pl. 31, figs. 6–8 (in *Moletta quinquecirrata*) (includes *D. simplex* Rud.; *Fasc. bramae* Mueller); 1860a, 23.—Dies., 1850a, 345 (in *Lota molva*; Naples); 1858e, 335 (in *Raja batis*).—Duj., 1845a, 466.—Kroyer, 1843–45a, 166 (in *Lota molva*).—Linst., 1903, 354.—Stoss., 1886, 49.—Also reported for *Gadus mustela* Linn.; *Molva vulgaris*; *Motella mustela*.
- furcatum* Bremser in Rudolphi, 1819a, 107, 396–397, 683–684 (in *Mullus surmuletus*, *M. rubescens* at Arimini; *Gadus molva* at Naples); 1824, 133.—Braun, 1892a, 576, 584; 1893a, 910.—Carus, 1884, 124.—Cobbold, 1860a, 29.—Crep., 1837, 310.—Dies., 1850a, 378 (in *Mullus barbatus*; *M. rubescens*; Arimini; *Lota molva*, Naples; *Coryphæna hippurus*, Brazil).—Duj., 1845a, 402.—Eysenhardt, 1829, 145.—Hausmann, 1897b, 35.—Kroyer, 1838–40a, 581; 1843–45a, 166 (in *Mullus surmuletus*; *Lota molva*).—Looss, 1902m, 771, 772 (undoubtedly represents a new genus).—Luehe, 1900, 487, 488, 490, 491, 492.—Mont., 1888a, 12; 1893, 192, pl. 1, fig. 18.—Odhn., 1905, 325, 326.—Stiles & Hass., 1898a, 92.—Stoss., 1883, 116, 1886, 16.—Also reported for *Box salpa*; *Molva vulgaris*.
- furcigerum* Ols., 1868, 26, pl. 4, fig. 72 (in *Pleuronectes limanda*, *P. limandoides*).—Braun, 1892a, 643, 728, 752; 1893a, 910.—Levin., 1881a, 12, 61–64, 67, 76, 77, pl. 2, figs. 5–6 (in *Cottus scorpius*, at Egedesminde; *Pl. limanda*; *P. limandoides*).—Linst., 1890f, 179.—Mont., 1893, 61, 95, 105, 193.—Odhn., 1905, 302, 305 (type of *Steringophorus*).—Staff., 1904 (type of *Leioderma* n. g., nec Suhm, 1873).—Stoss., 1886, 28 (to *Dicrocoelium*).
- [*fusca* Sluiter, 1900, 7 (a tunicate).]
- fuscatum* Rud., 1819a, 101, 384–385 (in *Tetrao coturnix*; Ancona).—Braun, 1901, 561, 564; 1901, 941; 1902b, 114, 115 (to Harmost.).—Cobbold, 1860a, 11; 1879b, 440.—Dies., 1850a, 353.—Duj., 1845a, 445.—Stoss., 1892, 182; 1892, 40.
- fuscescens* Rud., 1819a, 113, 413 (in *Sparus dentex*; Arimini).—Carus, 1884, 130.—Dies., 1850a, 377 (in *Dentex vulgaris*; Arimini).—Luehe, 1900, 490.—Mol., 1859, 833, 838–840, 845, pl. 1, fig. 1 (in *Dentex vulgaris*; Padua).—Mont., 1893, 40, 41, 42, 43, 82, 83, 95, 102, 177–179, pl. 5, fig. 63.—Stoss., 1885, 159; 1886, 27; 1886, 59 (to *Dicrocoelium*); 1898, 45 (in *Dentex vulgaris*; Trieste).—Also reported for *Caranx trachurus*.
- fuscum* (Bosc, 1802) Poir., 1885, 6, 12–13, pl. 23, fig. 7.—Braun, 1893a, 872, 873.—Buttel-Reepen, 1902, 167, pl. 6, fig. 17.—Reported for *Doras* sp.
- fusiforme* Zed., 1800a, 163 (in *Upupa* ep.), 171–173, *Fasc. upupæ* Schrank, 1790, renamed; 1803a, 210.—Braun, 1901, 561.—Dies., 1850a, 351 (syn. of *D. involutum*).—Rud., 1809a, 377.
- gadi* Dies., 1855, 64, based on Bellingham, 1844a, 428, t. h. *Gadus æglefinus*; Ireland.
- gadi æglefini* Dies., 1858e, 341, based on Bellingham, 1844, 428 (renamed *D. anonymum* Dies.).
- galactosomum* Leidy, 1888i, 166–167 (in *Labrax lineatus*; U. S. A.); 1889, 611; 1904a, 216–217.—Braun, 1893a, 872; 1900h, 43.—MacCallum, 1899, 704, 707.
- gammari* Rentsch, 1860, 18, 35–50, pl. 12, figs. 7–12, 15–16 (in *Flohkrebs*, *Gammarus ornatus*).
- gammari* Linst., 1877, 186, n. sp.; 1878a, 315 (in *Gammarus pulex*).
- gammari ornati* Rentsch, 1860, in explanation of fig. 2, pl. 12 (*D. gammari* Rentsch, 1860, renamed).
- gastrocolum* Leidy, 1891a, 414–415 (in *Trichiurus lepturus*; U. S. A.); 1904a, 235–236.—Stiles & Hass., 1894, 414.
- gelatinosum* Rud., 1819a, 102, 386–387 (in *Testudo mydas*; Arimini).—Braun, 1899b, 715, 716–717; 1901b, 16, 18, 19, 29–34, figs. 6, 12, 19; 1902b, 26.—Carus, 1884, 129.—Cobbold, 1860a, 19.—Dies., 1850a, 356.—Duj., 1845a, 451.—Looss, 1899b, 570, 579, 580; 1901i, 563, 564, 565; 1902m, 445 (to *Rhytidodes*), 446, 451, 452, 454, 455, 456, 457.—Mont., 1888a, 38; 1892, 715; 1896, 165; 1903a, 86, 102.—Par., 1846.—Sons., 1890, 4 May; 1893, 5 Feb.; 1893, 183, 184

## DISTOMA—Continued.

- (in *Chelonia caretta* L.).—Stoss., 1895, 37; 1895, 226–227; 1898, 43; 1904, 3.—Also reported for *Chelone mydas*, *Emys lutraria*, *Halichelys atra*, *Podocnemis expansa*, *Thalassochelys caretta* L., *T. corticata*.
- gelatinosum* Rud. of Poir., 1886, 33–34, pl. 3, fig. 6 (nec Rud.) (in *Cistudo lutraria*).—Braun, 1899b, 716 (syn. of *D. poirieri* Stoss.); 1901, 13, 19.—Looss, 1899b, 567 (possibly identical with *Telorchis linstowi*).—Luehe, 1899, 528.—Stoss., 1904, 3 (syn. of *D. poirieri* Stoss., 1893, *Telorchis poirieri* Stoss.).
- geminum* Looss, 1896b, 50–52, 54, 58, 59, pl. 4, figs. 25–27 (in *Milvus parasiticus*; Cairo); 1899b, 675 (to *Opisthorchis*).
- geniculatum* Dies., 1850a, 373–374 (in *Physophora tetrasticha*; Naples) (*D. physophoræ* Fil., renamed).—Cobbold, 1860a, 30.—Mont., 1888a, 77; 1888, 195, 196; 1893, 124.—Moul., 1856a, 217.
- genu* Rud., 1819a, 107–108, 397–398 (in *Labrus luscus*; Naples).—Braun, 1893a, 873.—Carus, 1884, 131.—Cobbold, 1860a, 27.—Dies., 1850a, 368–369.—Duj., 1845a, 462.—Looss, 1901d, 399.—Nord., 1832a, 36.—Odhn., 1901, 484, 487, 490, 496.—Stoss., 1886, 49.
- giardi* Stoss., 1898, 50–51, for *giardii*.
- giardii* Stoss., 1889, 25(3), pl. 13, fig. 56 (in *Naucrates ductor*; Trieste); 1898, 50–51 (*giardi*).—Braun, 1892a, 583, 673; 1893a, 910.—Buttel-Reepen, 1902, 202.—Mont., 1893, 29, 43.
- gibbosum* (Rud., 1802) Rud., 1809a, 399, pl. 6, fig. 8 (in *Esox belones*); 1819a, 107, 395–396.—Bellingham, 1844a, 424.—Carus, 1884, 124.—Cobbold, 1860a, 28.—Crep., 1837, 326.—Dies., 1850a, 378; 1858e, 343 in *Gadus aeglefinus*, Ireland; 1859c, 433.—Duj., 1845a, 402.—Harz, 1881c, 5, 11.—Kroyer, 1846–1853a, 273 (in *Belone rostrata* Fabricius).—Luehe, 1900, 487, 492; 1901, 480.—Mol., 1858, 290 (in *Belone acus*; Patavii); 1861, 213.—Odhn., 1905, 356, 357 (to *Lecithaster*).—Olfers, 1816, 46.—Stiles, 1901, 193.—Stiles & Hass., 1898a, 92.—Stoss., 1886, 49.—Also reported for *Colymbus cristatus*.
- giganteum* Dies., 1858e, 331–332 (*gigantica*, 1855, renamed).—Bassi, 1875b, 508.—Braun, 1892a, 650 (*gigantea*), 568, 674; 1893d, 466; 1903a, 875, 910.—Leuck., 1863, 530.—Stiles, 1898a, 49.—Stoss., 1892, 9 (to *Cladocelum*).
- gigas* Nardo, 1827, 68–69 (in *Proctostegus proctostegus*, teste Braun); 1833, 523; 1874–1875 or (1876), 265–266.—R. Bl., 1888a, 543; 1891, 479–481, fig. 37.—Braun, 1892a, 632; 1893a, 873; 1893b, 184 (in *Proct. prototyphus*).—Buttel-Reepen, 1902, 167, 168, 169, 171, 172, pl. 6, figs. 10, 10a.—Carus, 1884, 126.—Cobbold, 1858, 167; 1860a, 28; 1879b, 460.—Crep., 1837, 310.—Darr, 1902, 664, 665, 666, 669, 671, 697.—Dies., 1850a, 373.—Hoyle, 1890, 540.—Luehe, 1901, 483, “*D. gigas*” (from *Luvarus imperialis*), to *Accacelum raynerianum*, 485.—Mont., 1889, 322; 1891, 500, 520; 1893, reprint, 7–9.—Par., 1902, 6 (in L. im.; *Portoferrajo*).—Poir., 1885, 6.—Setti, 1894, (19 pp.), pl. 28; 1894, 17 pp., pl. 28, 6 figs.; 1895, 316; 1895, 306; 1895, Feb. 28, 270; 1895, 367.—Stoss., 1886, 50.—Also reported for *Ansonia cuvieri*.
- glabrum* Crep., 1846, 148 (in *Salamandra maculosa*).—Dies., 1850a, 398.—Stoss., 1889, 70.
- glandulosum* Looss, 1896b, 64–68, 69, 71, 72, 76, pl. 5, figs. 41–44 (in *Taphosus nudiventris*; Ghizeh); 1898, 453, 454, 455, 456, 457, 458, figs. 1, v; 1899b, 547, 716, 717 to *Lecithodendrium*.—Stiles, 1901, 200.
- glauca* Bergh, 1884, 18, pl. 10, figs. 5–17 (in *Glaucus atlanticus*, etc., teste Braun).—Linst., 1888, 17.
- globicaudatum* Crep., 1849a, 64.
- globiferum* Lamarck, 1816, 182 for *D. globiporum*.—Nord., 1840, 618 (syn. of *Fasc. globifera*).
- globiparum* Ehrenb., 1837b, 199, for *globiporum*.
- globiporum* (Rud., 1802), Rud., 1809a, 364–367 (includes *Fasc. bramæ* Mueller; *F. lanceolata* (bramæ) Schrank, 1790; *F. tincæ* Modeer, 1790; *F. longicollis* (carpionis) Frölich, 1791; *D. cyprinaceum* Zed., 1800; *D. carinatum* Zed.), 410, 414, 441; 1819a, 96.—Ben., 1858a, 1861a, 100, 191, 197, 203.—Braun, 1883a, 52; 1892a, 635, 695, 699, 711, 746, 747, 756, 779, 780, 783, 785, 788, 790; 1893a, 865, 879, 883.—Burm., 1835b, 187–194, pl. 2, figs. 1–6.—Cobbold, 1860a, 21.—Condorelli-Francaviglia, 1898, 2, 4, 5–7.—Crep., 1837, 310, 313, 322, 323, 324, 327, 328, 329; 1846, 152, 153, 154.—Dies., 1850a, 341 (includes *Fasc. bramæ* Mueller, *F. lanceolata* Schrank, *F. longicollis* Frölich, *F. globipora*

## DISTOMA—Continued.

- Rud., *D. cyprinaceum* Zed., *D. carinatum* Zed., *D. bramæ* Zed.); 1858e, 334 (larva in *Lymnæus stagnalis*).—Duj., 1845a, 417.—Ehrenb., 1837b, 199 (*globiparum*); 1837, 151–180; 1838b, 15.—Gamb., 1896a, 72.—Hausmann, 1897b, 4, 6, 8, 10, 17, 18, 20, 21, 22, 39–40 (in *Scardinius erythrophthalmus*, *Chondrostoma nasus*, *Barbus fluviatilis*, *Squalius cephalus*, *S. leuciscus*, *Cobitis barbatula*, *Abramis brama*, *A. blicca*, *A. vimba*, *Alburnus lucidus*, *Acerina cernua*, *Cyprinus carpio*, *Esox lucius*, *Leuciscus rutilus*, *L. meidingeri*, *L. scardapha*, *Phoxinus phoxinus*, *Perca fluviatilis*, *Tinca vulgaris*, *Thymallus vulgaris*).—Kampmann, 1894b, 446.—Kroyer, 1838–40a, 20; 1846–53a, 367, 387, 434; 1852–1853a, 1222, 1223, 1224, 1225 (in *Abramis brama*, *A. blicca*, *A. vimba*, *Aspius alburnus*, *Barbus fluviatilis*, *Leuciscus erythrophthalmus*, *L. rutilus*, *Perca fluviatilis*, *Phoxinus phoxinus*, *Tinca vulgaris*).—Lamarck, 1816, 182 (*globiferum*).—Lamouroux, 1824, 563 [*Distome à pores globuleux*].—Leuck., 1863a, 500, 501, 503, 504.—Linst., 1882, 19, fig. 24; 1885, 251.—Lint., 1901, 415 (in *Pseudopleuronectes americanus*), 420, 486, fig. 347; 1905, 328, 334, 356, 378, 393, figs. 159, 173, 198, 199 (in *Fundulus majalis*, *Leiostomus xanthurus*, *Orthopristis chrysopterus*).—Looss, 1885b, 22, 23, 24, pl. 23, fig. 18; 1894a, 41 (includes *Fasc. bramæ* Mueller; *F. longicollis* Frølich; *D. cyprinaceum* Zed., 1800; *Fasc. globipora* Rud., 1802), 2, 24, 41–48, 49 (of Olss., syn. of *D. isoporum* Looss), 50, 52, 53, 54, 58, 98, 123, 124, 136, 137, 141, 150, 151, 157, 159, 161, 162, 179, 191, 192, 195, 197, 214, 215, 216, 231, 239, 242, 243, 249, 256, pl. 1, figs. 11–14; pl. 5, figs. 95–101 (in *Abramis brama*, *A. blicca*, *A. vimba*, *Alburnus lucidus*, *Barbus fluviatilis*, *Chondrostoma nasus*, *Cyprinus carpio*, *Esox lucius*, *Leuciscus erythrophthalmus*, *L. jesus*, *L. rutilus*, *Perca fluviatilis*, *Phoxinus phoxinus*, *Squalius cephalus*, *Thymallus vulgaris*); 1896b, 208; 1899b, 646, 647, 1902m, 757 (and *Fasc. bramæ*), 758, 760, 762, 764, 769.—Mol., 1858, 129; 1861, 199.—Mont., 1888a, 69, 72; 1892, Oct. 7, 187.—Moul., 1856a, 48 (embryo).—Much., 1898, 24, 28.—Nord., 1832a, 88; 1840, 616, 618 (syn. of *Fasc. globifera*).—Olfers, 1816, 45.—Olss., 1876, 16; 1893, 11.—Par., 1896, 2, to (*Dicrocoelium*).—Poir., 1885, 1.101.—Schausinsland, 1882, 496, 497.—Sieb., 1836, 233, 236, 237, 238, 239; 1836, v. 1, 218, pl. 6; 1838, 301.—Sramek, 1901, 95 (in *Abramis vimba*, *C. V.*, *A. brama*), 96 (in *Squalius dobula* Heck.), 107–108 (in *Squalius lepusculus* Heck.) (syn. *Fasc. bramæ* Mueller).—Stiles, 1901, 168, 194.—Stiles & Haas., 1898a, 95 (type of *Sphaerostoma*).—Stoss., 1883, 116; 1886, 29; 1902, 582.—Wagener, 1857, 26, 44, pl. 23, fig. 1 (in *Lymnæus stagnalis*); 1860, 170; —, v. 9, 88, 89, pl. 1, fig. 5.—Also reported for *Abramis alburnus*, *Anguilla chrysypa*, *A. vulgaris*, *Blicca björkna*, *Cobitis fossilis*, *Cyprinus balerus*, *C. barbus*, *C. blicca*, *C. brama*, *C. alburnus*, *C. dobula*, *C. erythrophthalmus*, *C. phoxinus*, *C. nasus*, *C. rutilus*, *C. tinca*, *C. vimba*, *Idus melanotus*, *Leuciscus phoxinus*, *Limnaea ovata*, *Physa fontinalis*, *Planorbis marginatus*, *Succinea pfeifferi*, *S. putris*.
- globiporum tinæ* Rud. of Dies., 1850a, 395 (syn. of *D. perlatum* Nord.).
- globocaudatum* Crep., 1825, 49–50 (in *Corvus cornix*); 1849a, 64.—Braun, 1902b, 44 (not Linst., 1883).—Cobbold, 1860a, 13.—Dies., 1850a, 351; 1858e, 337 (in *Corvus glandarius*).—Duj., 1845a, 413–414.—Fil., 1855b, 8.—Linst., 1878, 99; 1883, 307–308; 1886, 31.—Stoss., 1892, 153 (syn. of *D. cirratum* Rud.).
- globosum* Ben., 1858a, 1861a, 193 (refers to Sieb.).—Braun, 1901c, 311 (as a name of Dies. for *D. orbiculare*), 312.—Jackson, 1888, 647.
- globulus* Rud., 1814a, 104 (in *Anas fuligula*); 1819a, 109, Greifswald, 401–402.—Bellingham, 1844a, 425.—Braun, 1893a, 879; 1901, 561, 564; 1902b, 19, 152 (includes *D. gl.* Braun, 1901, 564; Crep., 1846, 142, 143, 145, 146; Dies., 1850a, 365, and 1858e, 341; Duj., 1845a, 450; Rud., 1819a, 109, 401; Stoss., 1892, 40), 155 (to Psilost., Looss) [does not use name *globulus* in combination with P.].—Cobbold, 1860a, 11.—Crep., 1846, 142, 143, 145, 146.—Dies., 1850a, 365; 1858e, 341 (in *Anas cygnus ferus*).—Duj., 1845a, 450.—Olfers, 1816, 46.—Stoss., 1892, 182.—Also reported for *Alca torda*, *Anas fuligula*, *A. marila*, *A. sponsa*, *Dafila acuta*, *Fuligula cristata*, *F. marila*, *Harelda glacialis*, *Mergus merganser*, *M. serrator*.
- gobii* Stoss., 1883, 116–117, pl. 2, figs. 6–7 (in *Gobius jozo*; Trieste); 1886, 29; 1890, 41; 1898, 45; 1904, 12 (to *Helicometra*).—Braun, 1891d, 421; 1892a, 711, 765.—Carus, 1884, 124.—Condorelli-Francaviglia, 1898, 7.—Looss, 1901d, 399.—Mont., 1893, 83, 95, 102.—Odhn., 1901, 494, 495; 1902, 160.—Sons., 1891, 258.

## DISTOMA—Continued.

- gobii* Rentsch, 1860, 43–50, pl. 11, figs. 3–5, 8–9b–d; pl. 12, figs. 1, 5c–e (in *Gobius minutus*) [called also *D. gobii minuti* in description of plates].—Also reported for *Gasterosteus spinachia*.
- gobii minuti* Rentsch, 1860, in descr. of plates (for *D. gobii*).—Odh., 1901, 495.
- goliath* Ben., 1858b, 95–97, 1 pl., figs. 1–5 (in liver of a *Balæna*); 1858f, 282; 1870, 365.—Braun, 1891d, 423; 1892a, 586, 721; 1893a, 875; 1893d, 466; 1902, Nov. 17, 800–803, 1 pl., to *Lecithodesmus*; 1902, Dec. 30, 841–842; 1905, July, 51, 53.—Cobbold, 1860a, 8.—Dies., 1858c, 336–337 (in *Balæna borealis* [*Balænoptera rostrata* Fabricius]).—Hahn & Lefevre, 1884a, 516.—Jägers., 1891, 132.—Loennberg, 1891, 71–73.—Odh., 1905, 344, 347 (to *Lecithodesmus*).—Stoss., 1892, 34–35 (in *Balæna mysticetus*, *Balænoptera rostrata*).—Villot, 1878, 2.
- gracile* (Leidy, 1856) Dies., 1858e, 336 (in *Esox spec.*, *Pomotis vulgaris*).—Braun, 1893a, 871; 1900h, 43, 44, 45.—MacCallum, 1899, 704.—Mont., 1893, 155.—Stoss., 1886, 50.—Also reported for *Apogon anullorum*.
- gracile* of Wright, 1879, 9 (in *Perca flavescens*).—Braun, 1899g, 491 (probably syn. of *Clinost. marginatum* Rud.); 1900h, 43, 45.
- gracile* of Lint., 1898, 523–524, pl. 46, figs. 6–8 (in *Lepomis auratus*, *Eupomotis pallidus*, *Chænobryttus gulosus*).—Braun, 1899g, 491 (probably syn. of *Clinost. marginatum* Rud.); 1900h, 44, 45 (thinks Poirier's form, 1886, 39, pl. 3, fig. 8, from *Axinurus dugesi*, may belong here).
- gracile* of MacCallum, 1899, 704, pl. 39, fig. 7.—Braun, 1900h, 44, 45, probably syn. of *Clinost. marginatum*.
- gracilescens* Rud., 1819a, 111, 409 (in *Lophius piscatorius*; Trieste).—Braun, 1893a, 886.—Bremser, 1824c, pl. 9, figs. 17–18.—Cobbold, 1858b, 161, pl. 32, figs. 33–37 (in *Lophius piscatorius*); 1879b, 462.—Crep., 1837, 326.—Dies., 1850a, 374–375; 1858e, 361 (in *Loph. pisc.*) (to *Rhipidocotyle*).—Duj., 1845a, 462.—Kroyer, 1838–40a, 471.—Linst., 1878a.—Maddox, 1867, 97.—Stoss., 1898, 61.—Tennent, 1906, 638 (to *Gasterost.*)—Wagener, 1860, 189.
- grande* Rud., 1819a, 676–677 (in *Platalea ajaja*; Brazil).—Braun, 1901g, 561, 564–565; 1902b, 24 (of Braun, 1901g, 564; Dies., 1850a, 346 (of Duj.)); 1845a, 446 (of Rud.); 1819a, 676; and of Stoss., 1892, 2; to *Mesaulus*), 26, figs. 16–19.—Cobbold, 1860a, 12.—Dies., 1850a, 346–347.—Duj., 1845a, 446.—Odh., 1902, 32, 34, 35.—Stoss., 1892, 182.
- grandiporum* Rud., 1819a, 110–111, 407–408 (in *Murena helena*; Naples).—Braun, 1893a, 873.—Cobbold, 1860a, 23.—Dies., 1850a, 342, 371–372 (includes *D. varium* Eysenhardt, *D. dimidiatum* Crep.).—Duj., 1845a, 421.—Johnston, 1901, 337.—Kroyer, 1852–53a, 778 (in *Acipenser sturio*).—Lint., 1898, Jan. 20, 520–521, pl. 44, fig. 9; 1901, 415, 418, 436, 486 (in *Anguilla chrysypa*, *Pseudopleuronectes americanus*); 1905, 328, 334, 351 (in *Leptocephalus conger*).—Looss, 1899b, 640 (to *Hemirurus*).—Luche, 1901, 476–477.—Mol., 1859, 826–828, pl. 2, fig. 5 (syns. *D. varium* Eysenh., *D. dimidiatum* Crep.) (in *Acipenser sturio*, Greifswald; *Anguilla vulgaris*, Padua; *Murena helena*, Naples).—Odh., 1905, 360.—Olss., 1876, 20.—Stoss., 1886, 14; 1902, 582.
- granulum* Rud., 1809a, 394–395 (in *Cottus scorpius*) (includes *Fasc. scorpii* Mueller, 1776); 1819a, 106.—Cobbold, 1860a, 27.—Dies., 1850a, 366.—Duj., 1845a, 457.—Kroyer, 1838–40a, 138, 368 (in *Zoarces viviparus*, *Cottus scorpius*).—Nord., 1840, 620 (syn. of *Fasc. scorpii*).—Olfers, 1816, 46.—Stoss., 1886, 50.
- grassum* Biermer, 1863a, 395 (for *crassum*).
- gruis* (Gmelin, 1790) Zed., 1803a, 221–222.—Baird, 1853a, 55 (syn. of *D. echinatum* Zed.).—Dies., 1850a, 383 (syn. of *D. ech. Zed.*).—Rud., 1809a, 432; 1819a, 115.
- gulosum* Lint., 1901, 415, 418, 454, figs. 315–317 (in *Rhombus triacanthus*).—Nicoll, 1907, 69.
- gyrini* Linst., 1884, 141–142, pl. 10, figs. 27–28 (in tadpole of *Rana temporaria*).—Braun, 1893a, 870.—Stoss., 1889, 68.
- hæmatobæ* Ben., 1858a, 219 (for *D. hæmatobium*).
- hæmatobium* Bilharz, 1852a, 72–76 (in *Homo*; Egypt); 1853a, 454–456, figs. a–k; 1853 [in Sieb., 1853], 59–62, pl. 5, figs. 11–15 (in *Homo*; Egypt); 1856a, 49–52, 65–68.—Agnew, 1881, 709.—Aitken, 1866, 841, fig. 14a (to *Bilharzia*); 1872, 206, fig. 37.—Albarran, 1897b, 1098, 1104, 1105, 1106.—Almeida Couto,

## DISTOMA—Continued.

1872, 4, 6, 7, 13, 24, 42.—Anders, 1903, 6. ed., 1245–1246.—Batho, 1872b, 502; 1872, 331.—Belleli, 1885b, 54–56, figs. 19–20.—Ben., 1858a, 1861a, 188, 199, 200, 201; 1878a, 276.—R. Bl., 1888a, 636 (includes Bilh. hæm. Cobbold).—Bomford, 1887a, 53–55, pl. 11 to (Bilh.), reported for cattle in Calcutta.—de Bonis, 1876, 158, pl. 2, figs. 14–15; 1882, 174, pl. 2, figs. 14–15.—Bouchut, 1879a, 874–877 (chyluria).—Bowly, 1891a, 194–195 (eggs in lungs and urinary organs).—Braun, 1883a, 41, 66–68, 181, fig. 17; 1903, 3. ed., 169 (to Schistosomum).—Brooks, 1897a, 492–493 (case in N. Y.); 1897, 617.—Burghart, 1904, XI, 6 (eggs); 1904, XII, 13, 2250.—Cantani, 1886, 9 (hematuria); 1886, 73.—Cobbold, 1859d, 364; 1860, 31; 1864b, 34, 197–204, figs. 44–45; 1865, —; 1865, 617; 1866, 6; 1871b, 359; 1871g; 1871k; 1873, 145; 1879b, 39.—Crevaux, 1874a, 173, 177.—Da Costa, 1884, 935.—Damaschino, 1882a, 949; 1882, 150; 1883a.—Dav., 1860, 312; 1877a, pp. lxxvii, lxxix, fig. 41; 318–321, fig. 13; 939, 940–944, 946, 973.—Delafield & Prudden, 1897, 130.—Dunglison, 1893, 142, 338, 506, 820, 1174.—Ebstein, 1884a (vesicle calculi).—Eichhorst, 1901a, 301.—Fritsch, 1867a, 752.—Goubert, 1878a, 132–133, fig. 61.—Griesinger, 1854a, 561–575; 1866a, 96; 1866, 381 (hæmatobium); 1872a, 472.—Guës, 1879a, 168.—Günther, 1858a, 208–209.—Hackley, 1886a, 519, fig. 885.—Handford, 1887b, 240–245, pl. 7, figs. 1–3; 1889a, 424–425.—Harley, 1865; 1869, 394; 1869, 379–387; 1871, 47; 1871, 359.—Haupt, 1878a, 19–20.—Hillmantel, 1893a, 230–233, figs. 1–3; 1893b, 4 pp., 3 figs.—Hoek, 1859, 42 (D. hæm. venæ portarum).—Huber, 1894, 294, 295, 296, 297, 298, 299; 1896, 580 (to Bilharzia).—Ijima, 1889b, 155.—Joel, 1866a, 308.—Jourdan, 1877a.—Kartulis, 1885a, 139–145, figs. 1–4 (eggs in abdominal organs); 1885b, 188–189; 1898b, 474–486, fig. 1; 1898c, 258–259.—Keating, v. 3, 768.—Koch, —, 11, 14, 21.—Kuech., 1855, 212–222, pl. 6, figs. 1–3.—Lancereaux, 1876.—Leão, 1896a, 233–234.—Lejtenyi, 1881a, 3.—Leuck., 1863a, v. 1, 9, 47, 49, 50, 111, 127, 449, 453, 455, 466, 488, 526, 617–632, figs. 145, 208–216; 1868, v. 2 (2), 458; 1876, v. 2 (3), 628, 629, 630, 633, 637, 638, 873; 1879, 10, 58, 59, 61, 163, 165, 166, 188, 211, figs. 29, 78.—Leuck., 1886d, 7, 44, 46, 47, 127, 128 to (Bilharzia), 129, 148, 166, figs. 29, 78.—Lewis, 1872, 3.—Looss, 1892, 82; 1905, 100 (to Schistosoma).—Manson, 1901, 542 (to Bilharzia); 1903, 3. ed., 605 (to Schistosomum).—Mantey, 1880.—Meckel, 1856, 46–47.—Meinecke, 1897a, 209–211, 1 pl. (bladder case).—Meissner, —, 84–85.—Mosler & Peiper, 1894, 179–185, figs. 71–73.—Moul., 1856a, 25, 48, pl. 4, fig. 25.—Nachtigal, —.—Nitze, 1891, 40, 1891, 692.—Ogden, 1900, 267–268, figs. 49–50.—Paul, 1860, 20.—Purdy, 1900; 208–210, figs. 32–33.—[Renoult, 1808, 366–370.]—Reyer, 1856, 214.—Rieder, 1899, 84, fig. 19.—Rindfleisch, 1884, 203, 210–211.—Roberts, 1865, 493.—Rochard, 1871, 298.—Roger, 1901, 95.—Ruetimeyer, —.—Sachs-Bey, 1880, 1253–1255.—Sandwith, 1901, 690.—Schiess-Bey, —, 303.—Schneidmühl, 1896, 300–301.—Shaw, 1901, 645.—Sieb., 1852, 59–62, 71; 1852, 537; —, 454.—Simon, 1897, 99, 209, 224, 510.—Simpson, 1872, 320–321.—Sondern, 1897, 554–557, figs. 1–6.—Sons., 1875, 9; 1876, —.—Stiles, 1898a, 58–60 (to Schistosoma), figs. 41–44, 48.—Stiles & Hass., 1898a, 93, 98 (type of Schistosoma).—Stoess., 1892, 5 (to Gynæcophorus).—Swart, 1862, 33, 36–37.—Tedeschi, 1886, 73–75.—Thacher, 1893, 826.—Wagener, 1857, 26.—Wagner, 1883, 121–122.—Ward, 1895, 253 (to Gynæcophorus), 328; 1903, 872 (to Schistosoma).—Weichselbaum, 1898, 315.—Wood & Fitz, 1897, 9, 335.—Virchow, 1891, —.—Zancarl, 1882, 144; 1883, 45; 1884, 306.—Zuckerlandl, 1880, 1253.—Zuern, 1882, 220, 223.

*hæmatobium hominis* Dies., 1855, 63, footnote (for D. hæmatobium).

*hæmatobium venæ portarum* Hoek, or Pag., 1859, 42 (for D. hæmatobium).

*hæmatoma* Braun, 1891d, 426, see hematoma.

*halecis* (Gmelin, 1790) Zed., 1803a, 222.—Dies., 1850a, 372 (syn. of D. ocreatum Rud.).—Mont., 1891, 496.—Rud., 1809a, 398.

*halosauri* Bell, 1887a, 116–117 (in Halosaurus macrochir; Cape St. Vincent).—Braun, 1892a, 580, 665; 1893a, 876; 1893d, 467.—Hoyle, 1890, 540.—Mont., 1889, 322; 1893, 83.

*helicis* Leidy, 1847, 220–221 (in Helix alternata).—Dies., 1855a, 398 (renamed Cercariæum Helicis alternatæ); 1858d, 278 (syn. of Cercariæum vagans).

*helicis asperæ* Dies., 1850a, 302–303 (based on Duj., 1845a, 472, in liver of Helix aspersa) (to Heterost.).

*helicis pomatiæ* Dies., 1850a, 303 (to Heterost.), see also Mueller's Arch., v. 5, p. 71, pl. 1, fig. 7.—Vaney & Conte, 1899, 196.

## DISTOMA—Continued.

- hematoma* Semprum, 1890, 596 (in *Homo*; Cuba).—R. Bl., 1891p, 611–612.—Braun, 1891d, 426 (*haematoma*).
- hemicyclum* Mol., 1859, 829–830 (in *Belone acus*; Padua).—Carus, 1884, 127.—Stoss., 1886, 43 to (*Echinost.*).
- hepaticum* (Linn., 1758) Abildg. —.—Abela, 1883, 47.—Aitken, 1866, 804, 839 (to Fasc.).—Alexander, [1833a, 319–323; 1833b, 405].—Anacker, 1888b, 314; 1892c, 94.—Andral, [1829c, 504, 520]; 1829d, 633.—Appenheim, 1899, 104–105 (lungs of sheep).—Armatage, 1896, 429.—Aschoff, 1892, 495.—Askanaazy, 1901, 75.—Assénova, 1899, 21, 28, 31, 90–93, 118.—Baer, 1828f, 197–198.—Baillet, 1866b, 99–104.—Baldi, [1900a, 223].—Bellingham, 1844a, 423.—Ben., 1858a, 1861a, 100, 170, 197.—Bettend., 1897a, 4, 7, 8, 9, 12, 15, 17, 18, 26, 27, 31, 33, 34, 36, 39, 42, 43, 44, pl. 2, fig. 8, 9, 10, 13, 14, pl. 4, fig. 26, 27, 28, 29, pl. 5, fig. 33, 34, 35, 36, 37, 38, 39, 40, 41, 42; 1897b, 308, 311, 312, 313, 316, 319, 321, 322, 330, 331, 335, 337, 338, 343, 346, 347, 348, pl. 29, fig. 8–10, 13, 14, pl. 31, fig. 26–29, pl. 32, figs. 33–42.—Bilharz, 1856a, 49.—Billet, 1893a, 506, 508, 509.—Bitting, 1895b, 83–85, pls. 1–2, figs. 1–12.—R. Bl., 1886, 306; 1888a, 543 (syns. Fasc. *hepatica* Linn., *F. humana* Gmelin, *F. lanceolata* Rud., 1803), 543–602, figs. 295–311, 602 (of Zed., 1800; Rud., 1810, syn. of *Dist. lanceolatum*), 603, 606, 609, 623, 631.—Blochmann, 1892b, 650.—Boele, [1828a], 34.—Bojanus, 1817b, 274; 1821a, 162–190; 1821b, 305–307, pl. 4.—de Bonis, 1882, 105, 171, pl. 2, fig. 12.—Bos, 1894a, 240–245, fig. 141–142.—Brand., 1888a, 41, 42; 1890a, 570–572; 1891d, 7, 11, 12; 1898a, 208, 214, (16, 22).—Brass, 1885, 41.—Braun, 1883a, 41, 44, 49, 53, 59–62, 70, 71, figs. 11–15; 1890a, 473; 1890d, 568; 1891d, 425; 1892a, 568, 586, 588, 589, 591, 592, 593, 594, 596, 597, 601, 602, 603, 604, 607, 608, 609, 610, 611, 612, 616, 623, 624, 628, 629, 631, 635, 638, 641, 644, 645, 669, 674, 675, 678, 681, 682, 684, 688, 690, 695, 701, 703, 705, 712, 717, 719, 724, 725, 728, 730, 733, 745, 747, 748, 755, 766, 768, 781, 783, 798, 806, 814, 815; 1892f, 44; 1893a, 861, 865, 875, 878, 880, 882, 910; 1893f, 424; 1894i, 606; 1895b, 11, 12, 126, 132, 133, 134, 138–141, figs. 43, 46–51, 53–56; 1897a, 1387, 1467, 1468, 1522; 1900a, 1668; 1903, 147 (to Fasc.); 1906, 134, 140, 150 (to Fasc.), figs. 69, 75, 83.—Brunet, 1902, 119–128 (Tunisie).—Brusina, (1898a), 227–228.—Burm., 1837a, 529.—Buttel-Reepen, 1902, 178, 184, 185, 203.—Caracis, 1888a, 41.—Carter, 1862a, xxx–xxxii.—Carus, 1863, 479.—Chatin, 1886b, 244; 1887d, 1004.—delle Chiaje, 1833, 11–12, 115–116, pl. 2, fig. 12; [1837a, 16].—Cobbold, 1866, 6, 7, 8; 1879b, 15, 16, 17, 278; 1883p, 401; 1884g, 976 (of Taylor).—Cope, 1887, 392; 1887, 546.—Crep., 1837a, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 325, 326, 327, 328; 1839a, 288; 1841a, 80.—Creutzburg, 1890a, 10, 11, 21.—Da Costa, 1884, 935.—Darr, 1902, 683.—Dav., 1877a, lxxv–lxxvi, figs. 35–38, 240–257, 321–330, 781, figs. 2, 7, 14.—Desmonceaux, 1868, 6.—Dewitz, 1892, 117–125, figs. 62, 66, 68, 70, 75, 77, 78.—Dies., 1836, 240; 1850a, 332–333 (syns. Fasc. *hepatica* Linn., *Dist. hepaticum* Zed.), 333–334 (of Zed., 167, syn. of *Dist. lanceolatum* Mehlis); 1858c, 331; 1859c, 427.—Duncker, 1881a, 24.—Dunglison, 1893a, 338, 424, 820, 875, 1174.—Eichwald, 1829a, 248.—Eiss, 1838a, 21–22.—Encycl. méthodique, Par., 1824, v. 2, 316.—Encycl. metropolitana, 1845, v. 18, 141.—Erc., 1881e, [58, 64, 69, 90, 91]; 1882a, 294, 300, 305, 326, 327.—Eschricht, 1840a, 73; 1855, 1.—Fagge & Pye Smith, 1902, 4, ed., 475 (to Fasc.).—Fenger, 1854, 173.—Fischer, 1883a, 24, 25, 29, 40.—Fischder., 1903h, 507.—Fitz, 1876a; 1876b, 513, 514.—Florance, 1866a, [22].—Fraip., 1880a, 398; 1880c, 418, 426, 428; 1881b, 36, 39; 1883a, 35, 41.—Francis, 1891c, 127–130, pls. 1–2; 1892b, 608; 1894a, 450.—Fritsch, 1885a, 408; 1888a, 212.—Gaede, (1817a), 8.—Gaftron, 1883a, 509.—Gamb., 1896, 4, 63, 64, 68, 72.—Ghose, 1869a, 210–211 [evidently *D. crassum*].—Giard & Billet, 1892a, 614.—Gomez, 1879a, 81–89.—Gomy, 1897a, 372.—Gosse, (1857a), 124.—Grall, 1887a, 460, 469.—Griffith & Henfrey, 1883a, 268.—Gronkowski, 1902a, 511, 512, 514, 515–517, 518, 519, 521, 522, 523–529, 530, 531, 532, 533 [4, 5, 7, 8–10, 11, 12, 14, 15, 16–22, 23, 24, 25, 26], figs. B, C, pl. 13, figs. 1, 5, 16.—Günther, 1858a, 205–207.—Gurli, 1831, 193, 370–372, pl. 8, figs. 29–33.—Hackley, 1886, 518, fig. 880.—Hahn & Lefèvre, 1884a, 516–537, 538, 539, 541 (syn. Fasc. *hep.*); 1884, 805.—Harley, 1864a, 62.—Harris, 1899a, 900.—Henneguy, 1906, 47–88, pl. 3, figs. 1–24; 1906, 46–48, pl. 3, figs. 1–24.—Hoeven, 1859, 211.—Huber, 1896, 576 (*Bassi's magna*).—Hutcheon, 1903m, 551–554 (pathology).—Jamieson, 1897a, 73.—Janson, 1893c, 261.—Joy, 1835a, 504, 505, 518–519; 1845a, —.—Jucl, 1889, 13, 14, 16, 19, 22, 26, 29, 36, 41.—Kampmann, 1894b, 445.—Kastenbaum, 1899, 243–248, fig. 33, 34.—Kath., 1894a, 143.—Kerbert, 1881a, 530, 536, 538, 539, 540, 547, 551, 565, 566, 567, 569, 570.—Kholodk., 1898a, 24, 25, 26, 27, pl. 10, fig. 5, 22;

## DISTOMA—Continued.

- 1899a, 149–165, figs. 171–174, 177f, 178.—Kitasato, (1884a), May 10.—Knoch, 1894a, 4, 11, 12, 13, 16.—Kowal, 1894a, 220; 1895c, 372–390, pl. 8, fig. 8; 1895g, 20, [60]; 1896d, 7, [257] (in *Cervus capreolus*; Dublany); 1896i, 9, [353].—Krabbe, 1865, 60.—Kuech., 1855, 183–207, 208, 210, 241, 481, pl. 5, figs. 1–10; 1857, 247–272, pl. 5, figs. 1–10.—Kuech. & Zuern, 1881, 290, pl. 7, fig. 1, 2, 4, pl. 8, fig. 14.—Lamoureux, 1824a, 560, 561, 562, 563.—Lampert, 1898a, lxxxii–lxxxiii.—de Lancéssan, 1882, 221–238, figs. 193–203.—Laspeyres, 1904a, 5, 7.—Leidy, 1874b, 364–365.—Lejtenyi, 1881a, 5, 7, 8, 11, 16, 18.—Leuck., 1863, 13, 14, 48, 100, 456, 457, 458, 463, 464, 465, 469, 471, 472, 475, 476, 479, 480, 483, 484, 487, 488, 490, 517, 520, 522, 526, 527, 529, 530–586, 587, 588, 589, 590, 591, 593, 594, 595, 596, 597, 599, 601, 602, 603, 604, 605, 606, 607, 608, 609, 612, 626, 740, 765, fig. 153, 156, 160, 165, 182, 184–191, 193; 1868, 405; 1876, 868–870, 871, 872; 1879, 16, 17, 59, 74, 164, 186, 208, fig. 39, 68, 69, 70; 1882f, 524–528; 1882g, 320–322; 1886, 12, 46, 56, 73, 81, 128, 146, 147, 161, 164, 589, fig. 35, 39, 68, 69, 90; 1892b, 797, 799.—Lindquist, 1882, 180; 1887, 391.—Linst., 1873, 98, 99, 101, 102; 1883, 308; 1890f, 175; 1901, 280; 1906, 175 (syn. *Fasc. Linn.*, 1746, which included *Dist. hep.*, *Dendrocoelium lacteum*, and *Schistocephalus solidus*).—Looss, 1885b, 6, 7, 10, 12, 15, 17, 19, 25, 26, 31, 34, 38; 1892, 126, 132–136, 141, 179; 1894, 1, 19, 65, 93, 115, 116, 117, 118, 120, 122, 125, 131, 138, 142, 144, 153, 159, 171, 172, 180, 181, 206, 212, 215, 220, pl. 6, figs. 118–120; 1895, 75, 85; 1896, 33–36; 1898, 459; 1899, 556; 1905, 88 (to *Fasc.*).—Love, 1896a, 48–49.—Ludwig, 1886a, 852–853, figs. 803, 805, 809.—Lutz, 1893a, 128.—Macé, 1882, 91 pp., 3 pls.—Manson, 1903, 3 ed., 639.—Mégnin, 1882s, 221 (in lungs of *Bos taurus*).—Michalik, 1891, 57.—Minot, 1884a, 418.—Miura, 1889, 317.—Mlinarich, 1832, 14.—Mol., 1859, 825.—Moniez, 1896, 321.—Mont., 1888, 14, 23, 24, 32, 37, 38, 39, 40, 41, 43, 47, 49, 50 (epaticum), 52, 53, 54, 56, 57, 58, 59, 60, 69, 72 (hepaticum), 73, 74, 75, 76, 80; 1893, 7, 12, 13, 22, 25, 26, 31, 33, 37, 38, 40, 41, 44, 45, 65, 66, 72, 75, 76, 77, 83, 85, 86, 88, 95, 99, 102, 104, 106, 110, 113, 132, 142, 207, 212.—Mosler & Peiper, 1894, 169–175, figs. 65, 66.—Moul., 1856a, 12, 17, 18, 19, 21, 23, 43, 102, 267.—Muehl., 1898, 9, 21.—Nord., 1832a, 47, 55; 1840, 547, 616, 617.—Offenheim, 1900, 152.—[Organesyant, 1873–74, 205].—[Oken, 1835, 550–551].—[Olfers, 1816, 4; 1816, 30, 44].—Oppenheim, 1899, 104–105.—Owen, 1843, 56, fig. 27.—Packard, —, 522.—Padrone, 1904, 489.—Pag., 1857, 53.—Parker, E. A., 1891, 79, 124, 266, 268.—Parkes, L. C., 1889, 71, 310.—Paul, 1860, 20.—Poir., 1885, 1, 4, 20, 23, 32, 37, 40, 46, 50, 51, 55, 56, 66, 67, 70, 77, 80, 90, 92, 93, 94, 101, 102, 113, 114, 115, 116, 117, 118, 120, 131, 133, 144, pl. xxvii, fig. 2, 3, pl. xxix, fig. 5, pl. xxx, fig. 4; 1887, 203–208, 210.—Prunac, 1884, 14 pp.—Rail., 1886, 286, 293, figs. 180–189; 1890, 836–839; 1890, 143.—Rail. & Marotet, 1898, 31, 32.—Ratz, 1898, 298; 1899, 617; 1900, 532.—Rindfleisch, 1884, 210.—Risso, 1826, no. 34; 1826, 262.—Rivolta (1881), 68; (1887), 391.—Roberts, 1888, 686.—Roewer, 1906, 187.—Rosbach, 1906, 381, 387, 392, 394, 402, 414, 419, 428, 429, 432, pl. 19, figs. 47–48.—Rud., 1803, 62; 1809a, 50, 214, 349, 352–357 (syns. *Fasc. hep. Linn. Plan.*, *latiuscula* Gréze, *Fasc. humana* Gmelin, *Dist. hep. Zed.*, *Fasc. lanceolata* Rud.), 378; 1819a, 92–93, 363–364, 576–577, 583, 588, 616, 617.—Ruser, 1892, 548 (in lungs).—St. Remy, 1891, 220.—Schaeffer, 1721, 1719–1721.—Schauinsland, 1882, 497.—Schneidemuehl, 1896, 296–300.—Schubart, 1853, 28–31.—Schuberg, 1894, 185.—Seeger, 1852, 51.—Shaw, 1901, 619, fig. 220.—Sidekrift. *Vet. Med.* (1882), (see also *Amer. Vet. Rev.*, 1887, 391).—Sieb., 1835, 57, 64, 65; 1836, 233, 237; 1850, 644, 672, 673; 1854, 7.—Signol, 1884, 232.—Simon, 1896, 182, 190, fig. 51; 1897, 209, 222–223, fig. 52.—Sjoberg, 1830, 10.—Steenstrup, 1842, 27.—Stevenson, 1892, 274, 498.—Stiles, 1898a, 29, 49; 1905z, 14.—Stiles & Hass., 1892a, 89.—Stoss., 1892, 7 (to *Cladocelium*).—Tasch., 1878, 176.—Taylor, 1885, 58–60, 1 fig.—Tennent, 1906, 666.—Theobald, 1900, 52.—Thomas, 1883, 329.—Vogt, 1878, 9, 38, 42, fig. 28, 35.—Vogt & Yung, 1888, 226–248, figs. 99–108.—Wagener, 1860, 174.—Wagner, 1883, 109, 120–121.—Wallenstedt, 1847, 7.—Walter, 1858, 269–297, pls. 11–13.—Ward, 1895, 246 (to *Fasc.*), 253 (in part *Curtice*, syn. of *Fasc. magna*); 1903, 865 (syn. *Fasc. hep.*).—Weichselbaum, 1898, 314.—Weinland, 1859, 280.—Wheeler, 1894, 117–118 (New Orleans).—Will.-Suhm, 1870, 1; —, 175–179.—Wolf, 1903, 612, 613, 616.—Wood & Fitz, 1897, 336.—Ziegler, 1883, 542, (543), 545, 546, 553, 556, pl. 33, fig. 13, 14, 15; 1883, 488.—Zuern, 1882, 204, 208, 209, 211, 216, pl. 4, figs. 5–9.
- — *hepaticum*, anatomy of: Havet, 1900b, 351–381, pls. 1–4, figs. 1–28 (nervous system).—Macé, 1882, 91 pp., 3 pls., 18 figs.; 1882, 7–9.—Marcinowski, 1903a,



## DISTOMA—Continued.

- 544-550; 1903b, 477; 1903c, 2391; 1903d, 738-739; 1905a, 21-22 (Schlund-ganglion).—Mehlis, 1825, 42 pp., pl. 1; 1826, 627.—Prenant, 1904, 522-525 (intest. epithelium).—Sommer, 1880, 539-640, pls. 27-32.—Veratti, 1900, 115-125 (nervous system).
- *hepaticum*, embryo of: Coe, 1896a, 561-570, pl. 42, figs. 1-5; 1897a, 30.
- *hepaticum*, geographic distribution of: Brunet, 1902a, 119-128 (Tunisie).—Mol., 1859, 825 (*Ovis aries*, *Bos taurus domesticus*, *Equus caballus*; Padua).—Saito, 1906, Aug. 7, 822.
- *hepaticum*, intermediate host of: Agric. J., Cape Town, 1896, Apr. 30, 221.—Cherry, 1896a, 183 (*Bulimus*, in Victoria).—Studer, 1882, 10-11.
- *hepaticum*, in various animals: LUNGS OF CATTLE: Barbagallo, 1903-4, 165 (Catania).—Cope, 1887a, 385-386.—Curtice, 1887a, 390-392.—Hedley, 1881a, 374-375; 1881b, 399-400; 1881c, 27-28.—Littlewood, 1887a, 546.—Mégnin, 1882, 221.—Morot, 1889, 159.—Murray, 1882, 100-103.—Schmidt, 1887, 361-362 (Europe).—Vet. J. & Ann. Comp. Path., Lond., 1899, v. 49, Sept., 179-180.—IN MAN: R.Bl., 1888a, 589-595; 1891p, 604-606 (Sagarra's case in 1890 in Spain).—Carter, 1862a (India).—Lockwood, 1901a, 2 ed., 821.—Manson, 1901, 539, 540 (also life cycle).—Preuss. Militärärztl. Ztg., 1863, v. 3 (2), 15.—Tyson, 1903, 3 ed., 1180.—Ward, 1895, 328.—IN SHEEP: Brett, 1881a, 139-142; 1881b.—Curtice, 1890c, 16-17, 127-134, pl. 16.—Friedberger, 1878a, 145-166.—Lesson, 1812a.—Lydtin, 1890a, 373 (in bronchi).—Trollip, 1893, 424-425.—Schlavo, 1900-01, (41); 1902, 221-222.—MISCELLANEOUS: Anders, 1903, 6. ed, 1245 (horse, goat, ass, sheep, rabbit, man).—Hutcheon, 1900i, 497 (duiker antelope).—Joel, 1866a, 308 (*Bos taurus*; liver).—Piana, 1882, 12 pp. (domestic ruminants; liver).—Ward, 1895, 332 (*Bos taurus*), 335 (*Ovis aries*), 338 (*Equus caballus*).—See also Fascioliasis.
- *hepaticum*, life history of: Erc., 1881a, 123-130; 1881b, 320-326; 1881c, 11 pp.; 1881d, 229; 1881, v. 7, 443-447.—Gulliver (1840c), 30-31 (eggs); 1841a, 507-508; 1842a, 95.—Henneguy, 1902a, 1235-1238 (egg, maturation, fecundation); (1902b), 128-131; 1905, July, 49.—R. Leuck., 1881c, 641-646; 1882a: 1882b, 80-119; pl. 8, figs. 1-9; 1882c-e; 1882f, 524-528; 1882g; 1883a; 1884c.—Lutz, 1892a, 783-796, figs. 1-5; 1892b, 436-437; 1892c, 301-306; 1893b, 320-328; 1893c, 389-393; 1893d, 24-25.—Minot, 1884, 418.—Schauinsland, 1882, 494.—Weinland, 1883, 89-98.
- *hepaticum*, method of feeding of: Bossuat, 1902, 186-187; Rail., 1890, Mar., 88-92; 1890, June 30, 271-272; 1890, Aug. 22, 277.
- hepaticum ægyptiaca* (also *egyptiaca*) Looss, 1896b, 10, 33-36, 151, 183, 192, 204, 205, pl. 3, fig. 16, pl. 11, figs. 117-118 (in "buffles, boeufs, moutons;" Alexandria); 1898a, 459, 460.—Linst., 1901, 420 (in *Bos zebu*, *Ovis aries*).
- hepaticum angusta* (Rail., 1895) Looss, 1898a, 459.
- hepaticum hominis* Cobbold, 1884g, 976.
- hepaticum (perniciosum)* Taylor, 1884, 52-53, fig. 2.—See *hepatis perniciosum*.
- hepatis endemicum* Bætz, 1883, 234-236, fig. 1 (in Homo; Japan).—R.Bl., 1888a, 618 (syn. of *D. japonicum*), 619-621, figs. 320-322 (description and infection); 1891, 607 (syn. of *D. sinense* Cobbold).—Braun, 1903, 3. ed., 161 (syn. of *Opisthorchis sinensis*).—Hahn & Lefèvre, 1884a, 542-544.—Kamensky, 1900a, 18.—Katsurada, 1900, 479.—Looss, 1905, 90 (syn. of *Opisthorchis sinensis*): 1907, Feb. 1, 140.—Rail., 1893a, 362 (syn. of *D. sinense*).—Ward, 1895, 328 (in Homo) (syn. of *D. sin.*); 1903, 870 (syn. of *Opisthorchis sinensis*).—See *Clonorchis*.
- hepatis innocuum* Caries, 1888a, 41, pl. 1, for *innocuum*.
- hepatis innocuum* Bætz, 1883, 236, fig. 2.—Billet, 1893a, 509 (syn. of *D. sinense* Cobbold).—R.Bl., 1888a, 618 (syn. of *D. japonicum*), 621-622, figs. 323-324; 1891, 607 (syn. of *D. sinense*).—Braun, 1903, 3. ed., 161 (syn. of *Opis. sin.*).—Caries, 1888a, 41, pl. 1 (innocuum).—Cobbold, 1884g, 976.—Grall, 1887a, 460, 468, 469, 1 fig.—Hahn & Lefèvre, 1884a, 544 (syn. of *D. sin.*).—Hoyle, 1890, 538.—Kamensky, 1900a, 18.—Katsurada, 1900, 479.—Looss, 1905, 90 (syn. of *Opisth. sinen.*); 1907, Feb. 1, 140.—Rail., 1893a, 362.—Ward, 1895, 328 (in Homo) (syn. of *D. sin.*); 1903, 870 (syn. of *Opisth. sin.*).—See *Clonorchis*.
- hepatis perniciosum* Bætz, 1883, 234.—Billet, 1893a, 509 (syn. of *D. sinense* Cobbold).—Caries, 1888a, 41.—Cobbold, 1884g, 976.—Grall, 1887a, 460, 469.—Katsurada, 1900, 479.—Looss, 1905, 90 (syn. of *Opisth. sin.*).—See *Clonorchis*.

## DISTOMA—Continued.

*hepatium* Rivolta, 1884, 27, for *hepaticum*.

*heteroclitum* Mol., 1859, 289 (in *Perdix coturnix*; Batavii); 1861, 203.—Braun, 1893a, 874; 1902b, 116.—Dies., 1859c, 430.—Looss, 1899b, 650 (thinks this may be a *Clinost.*).—Mont., 1893, 155.—Stoss., 1892, 174 (to *Mesogonimus*).

*heterolecithodes* Braun, 1899a, 3 (in *Porphyrio porphyrio*; from Madagascar, Africa); 1899, 632; 1899, 133–135, 300 (in *Gallinula chloropus*, *Porphyrio porphyrio*); 1902b, 109.—Looss, 1899b, 635 (type of *Athesmia*); 1902m, 790.—Jacoby, 1899a, 133–135; 1899b, 300 (in *Gallinula chloropus*, *Porph. porph.*); 1899c, 1–30, 2 pls.; 1900, 1–11, 12, figs. 1–5.

*heteromorphum* Crep., 1837a, 317 (in *Trigonocephalus* sp. dub.); 1846a, 147 (in *Trigonoc. sp. dub.*).

*heterophies* Perroncito, 1879, 6, for *heterophyes*.

*heterophyes* Sieb., 1852, 62–64, pl. 5, figs. 16–17 (in *Homo*; Egypt); 1853, 455, pl. 5, figs. 16–17.—Aitken, 1866, 804, 839; 1872, 146, 205; 1874, 58.—Arschoff, 1892, 495.—Bilharz, 1856a, 50.—R. Bl., 1888a, 625, 627, fig. 325, 631; 1891a, 791; 1891p, 609, 610, 611.—de Bonis, 1876, 163; 1882, 179.—Braun, 1883a, 66; 1892, 50; 1892a, 581, 642, 707, 735, 738; 1895b, 143–144, fig. 59; 1900h, 3, 6; 1901c, 334, 336, 337; 1903, 3, ed., 164 (to *Cotylogonimus*).—Cobbold, 1860a, 6; 1864, 194; 1866, 6; 1876, 210, 211; 1879b, 34–35, fig. 4; 1883, 401 (*hyterophytes*).—Dav., 1877a, lxxvii.—Dies., 1858c, 332.—Dunglison, 1893, 338, 820, 1174.—Eichhorst, 1901, v. 1, 301.—Goulbert, 1878, 101.—Günther, 1858, 207–208.—Hahn & Lefèvre, 1884a, 546.—Harley, 1864a, 62.—Hock, 1859, 42 (or *Pag. id.*).—Hoyle, 1890, 538.—Huber, 1896a, 579.—Ijima, 1889b, 147.—Jacoby, 1900, 22, 23 (*D. fraternum* and *D. heterophyes* with *D. lingua* and *D. concavum* together form one group).—Jägers., 1898, 7, 8, 9, 12 (compares *D. het.*, *D. fraternum*, *D. lingua*).—Jamieson, 1897a, 74.—Janson & Tokishige, 1892, 350.—Janson, 1893c, 265.—Kholodk., 1898, 26, 30, pl. 11, fig. 14; 1899a, 152.—Kuech., 1855, 210–212, pl. 4, figs. 11–12.—Kuech. & Zuern, 1881, 338.—Leuck., 1863a, 526, 613–616, 619, fig. 207; 1889, 399.—Looss, 1894d, anatomy, 1–42, pl. 1, figs. 1–8, pl. 2 (figs. 9–12); 43, 44, 45, 46, 47, 48, 49, 51, 52, 55; 1894a, 168; 1895a; 1896b, 60, 61, 63–64, 156, pl. 5, figs. 34–40; 1896h, 863–864; 1899b, 533, 539, 550, 556, 585 (type of *Cenogonimus*), 700; 1900, 607; 1902m, 804, 805, 886.—Luehe, 1899, 538, 539 (type of *Cotylogonimus*).—Manson, 1901, 541 (in man in Egypt; apparently no morbid symptoms); 1903, 3, ed., 664 (to *Mesogonimus*).—Moniez, 1896, 86, 133, 141–144, fig. 28.—Mont., 1893, 95, 155, 157; 1896, 168.—Mosler & Peiper, 1894, 177, fig. 69.—Mueh., 1898, 81, 82 (compares *D. het.* and *D. fraternum* with *D. concavum*, which he looks upon as *Mesogonimus*).—Paul, 1860, 20.—Perroncito, 1879, 6 (*heterophies*).—Rail., 1890, 138 (to *Mesogonimus*).—Roberts, 1888, 673.—Sandwith, 1899, 591; 1899, Sept. 30, 888 (case).—Schneidemuehl, 1896, 302.—Simon, 1897, 209, 223–224.—Sons., 1883, v. 1, 155 (found by Sons., Egypt); 1896, 295, 299, 314.—Stiles, 1904i, 44 type of *Heterophyes*.—Stiles & Garrison, 1906a, 76.—Stiles & Hass., 1900a, 563 (type of *Heterophyes*).—Stoss., 1892, 31–32 (to *Mesogonimus*); 1898, 42.—Swart, 1862, 37.—Verrill, 1870, 171.—Vogt, 1878, 10, 13, 14.—Wagner, 1883, 121.—Ward, 1895, 328 (in *Homo*); 1903, 870.—Wood & Fitz, 1897, 335.—Also reported for *Canis familiaris*.

*heterophyes hominis* Dies., 1855, 64, for *heterophyes*.

*heteroporum* Duj., 1845a, 402–403 (in *Vespertilio pipistrellus*; Rennes) to (*Brachycaelium*).—R. Bl., 1891, 467–468.—Brand., 1888, 249, 250, pl. 17, fig. 4.—Braun, 1891d, 421; 1892a, 568, 579, 715, 766; 1893a, 911; 1893b, 185 (in *Vesperugo pipistrellus*); 1900, 224, 227; 1900, 388.—Cobbold, 1860a, 8; 1879b, 294.—Dies., 1850a, 382–383.—Kolenati, 1857, 12.—Linst., 1884, 139.—Looss, 1892, 66; 1896h, 86; 1899b, 547, 611, 614, 618, 718 (type of *Pycnoporos*); 1902m, 772.—Luehe, 1899, 536, 537.—Staff., 1903, 828.—Stiles, 1901, 197, 199, 200, 201, 202, 203.—Stoss., 1892, 12 (in *Nannugo pipistrellus*; Hameln, Rennes).

*heterostomum* Rud., 1809a, 50, 381–382 (in *Ardea purpurea*; t. l. apparently Europe); 1819a, 102–103, 388, 680.—Braun, 1892a, 578, 674, 721; 1893a, 872, 873, 910; 1899, 1 (*Diurocaelium*); 1899g, 465, 484, 485, 486 (of Rud., 1809a, to *Clinost.*); 1900, 140–141; 1900h, 4, 9, 13, 14, 15, 16, 17, 18, 19 (includes the following as syns. of *Clinost. heterostomum*: Rud., 1809a, 1819a; Duj., 1845a; Dies., 1850a; Stoss., 1892; Par., 1896) (in *Ardea cinerea*, *A. purpurea*, *Nycticorax griseus*), 20, 24, 25, 26, 28, 29, 30, 31, 42, 43, pl. 1, figs. 1–2; 1901, 561.—Cobbold, 1860a, 10.—Dies., 1850a, 353 (includes *Fasc. epatica* of Rosa, in *Ardea purpurea*).—Duj., 1845a, 400.—Leuck., 1863, 503.—Looss, 1899b, 650, 651.—

## DISTOMA—Continued.

- MacCallum*, 1899, 697, 704, 705, 706, 707.—*Mont.*, 1893, 95.—*Olfers*, 1816, 44.—*Par.*, 1896, 2.—*Stiles & Hass.*, 1898a, 86 (includes *C. gracile* Leidy, 1856, type of *Clinost. Leidy*).—*Stoss.*, 1892, 64; 1892, 159; 1898, 42.—*Wright*, 1879, 3, pl. 1, fig. 1.—Also reported for *Ardea herodias*.
- heterostomum* from *Ardea purpurea* in Turin collection ("C. No. 43 resp. C. No. 361") and in collection of *Par.* (collected at Geneva).—*Braun*, 1899g, 491 (*Clinost. foliiforme*); 1900h, 30.
- heterostomum* Rud. of *Linst.*, 1883, 306; 1886, 30, fig. 49.—*Braun*, 1899g, 491 (not *Clinost. heterostomum* but perhaps *Cl. complanatum*).
- heterostomum* Rud. of *Wright*, 1879, and *MacCallum*, 1899.—*Braun*, 1899g, 491 (not *Clinost. heterostomum* but probably *Cl. marginatum*); 1900h, 29, 43.
- heurteli* Poir., 1885, 9, 10, pl. 23, fig. 2 (in *Thynnus vulgaris*).—*Buttel-Reepen*, 1902, 167, 172, pl. 6, fig. 13.
- hians* Rud., 1809a, 359–360 (in *Ardea nigra*; *Greifswald*); 1814a, 101; 1819a, 94, 366, 680.—*Baird*, 1853a, 51 (includes *D. oesophagi ardeæ nigrae* Viborg).—*Ben.*, 1858a, 1861a, 171, 202; 1868, 295, 296, 298, 299–300, pl. 1, figs. 6–7.—*Braun*, 1891d, 424 (in *Ardea cinerea*); 1892a, 584, 662, 699, 764, 768, 776, 784, 785, 786; 1893a, 873; 1893, 354; 1895b, 17; 1899g, 485, 486, 489 (from *Ardea cinerea*, in Pavia, and from *Nycticorax griseus*, in Cagliari, as syn. of *Clinost. heterostomum*); 1899, 465; 1900, 24, 25; 1900h, 14, 15, 17, 18, 19, 23; 1901b, 33; 1901, 896; 1901, 561; 1902b, 4.—*Cobbold*, 1860a, 10.—*Condorelli*, 1897c, in 118–124 (in *Hydrocolæus minutus*).—*Crep.*, 1837, 311, 316, 324.—*Dies.*, 1836, 248; 1850a, 337–338; 1858e, 333.—*Duj.*, 1845a, 399.—*Gamb.*, 1896a, 63.—*Gurlt*, 1845, 276.—*Kuech.*, 1855, 192.—*Leuck.*, 1879, 14, 15; 1886d, 11.—*Looss*, 1892a, 14; 1899b, 562–563 (type of *Cathæmasia*).—*MacCallum*, 1899, 706.—*Much.*, 1896, 588–589; 1896, 252–257, figs. 3, 10; 1898, 28.—*Mueller*, 1897, 15–16, pl. 2, fig. 6.—*Nathusius*, 1837, 65.—*Nord.*, 1832a, 90, 93; 1840, 617.—*Olfers*, 1816, 44.—*Par.*, 1887, 331, pro parte (in *Nycticorax griseus*) (syn. of *Clinost. heterostomum* teste *Braun*, 1900h, 19).—*Sieb.*, 1835, 66, 73, 82.—*Stoss.*, 1891, 111; 1892, 160 (syn. *D. complanatum*).—*Wagener*, 1857, 26.—*Will.-Suhm*, 1876, 337, 339.—Also reported for *Ardea nycticorax*, *A. purpurea*, *Ciconia alba*, *C. nigra*.
- hippopodii* Vogt, 1854, 97–98, 99, pl. 15, fig. 3 (in *Hippopodius leteus*; *Quoy et Gaimard*, Mediterranean).—*Braun*, 1893a, 852.—*Græffe*, 1860a, 13.—*Mont.*, 1888a, 77; 1888, 195; 1893, 124.
- hirundinis* Brand., 1888a, 13, misprint for *hirudinis*.
- hirsutum* Looss, 1896b, 68–73, 76, 78, 81, 98, pl. 5, figs. 45–49 (in *caméléon*; *Alexandria*); 1899b, 547 to *Lecithodendrium*.—*Luehe*, 1899, 536.—*Stiles*, 1901, 200.
- hirudinis* Henle.—[*Crep.*, 1841a, 79 (*Distome* in *Hirudo vulgaris*), does not use combination].—*Dies.*, 1850a, 418 (syn. of *Heptast. hirudinum* Schomburgk).
- hirundinum* Zed., 1800a, 163, 169–171 (for *hirundinis* *Frœlich*) in *Hirundo apus*, *H. urbica*; Europe; 1803a, 210.—*Braun*, 1901, 566; 1902b, 46 (syn. of *Plagiorchis maculosus*).—*Dies.*, 1850a, 349 (syn. of *D. maculosum*).—*Rud.*, 1809a, 374.
- hispidi ventriculi accipenseris sturionis* Viborg, 1795, 243, see *hispidum*.
- hispidum* Abildg. in *Rud.*, 1819a, 118, 423–424 (in *Accipenser sturio*; *Arimini*, Berlin); 1809a, 435 (syn. of *D. sturionis* for *D. hispidi accipenseridis sturionis*).—*Ben.*, 1870, 83.—*Braun*, 1892a, 567, 583, 594, 729, 737;—*Carus*, 1884, 126.—*Cobbold*, 1858b, 162, pl. 32, figs. 47–48, pl. 33, figs. 49, 50 (in *Accipenser sturio*); 1860a, 36.—*Crep.*, 1829, 73–76; 1837, 311, 312, 325.—*Dies.*, 1850a, 392–393.—*Duj.*, 1845a, 470.—*Kroyer*, 1852–53a, 21, 778 (in *Accipenser sturio*; *Osmerus eperlanus*).—*Leidy*, 1887, 24.—*Lint.*, 1901b, 414, 422, 478, fig. 321, 322, 323 (in *Phycis tenuis*); 1905, 328, 334, 364, 400, 478 (includes as hosts: *Menticirrhus americanus*; *Seriola lalandi*).—*Looss*, 1894a, 218; 1899b, 576, 581; 1901, 634.—*Mehlis*, 1831, 187–190.—*Nord.*, 1832a, 90.—*Odhn.*, 1902, 154.—*Stoss.*, 1885, 156; 1886, 41; 1891, 216.—Also reported for *Accipenser glaber*, *A. ruthenus*, *A. stellatus*.
- histris* *Dies.*, 1850a, 393–394 for *D. hystrix*; 1858d, 268.—*Duj.*, 1845a, 433.—*Mol.*, 1858, 131; 1861, 223.—*Mont.*, 1888, 198.
- holostomum* Rud., 1819a, 94–95, 368 (in *Rallus aquaticus*; *Vien. Mus.*).—*Braun*, 1892a, 772; 1901, 561, 565; 1902b, 136 (syn. of *Urogonimus macrostomus* Rud.) (includes *Dies.*, 1850a, 339; *Duj.*, 1845a, 446; *Rud.*, 1819a, 94, 368; *Sieb.*, 1848, 144; 1853, 433; *Walter*, 1866, 14; *Zeller*, 1874, 574), 137.—*Cobbold*,

## DISTOMA—Continued.

- 1860a, 11.—Dies., 1850a, 339, includes *D. ralli*; 1858d, 277.—Duj., 1845a, 446.—Fil., 1855b, 25.—Moul., 1856a, 21, 183 (in *Rallus aquaticus*; *Gallinula porzana*; *G. chloropus*).—Par., 1896, 2.—Sieb., 1836, 234.—Stoss., 1892, 145, to *Cladocelum*.—Wagener, 1857, 24, 45.—Walter, 1866, 64.
- homocostomum* Dies., 1858c, 343 (*D. Triglæ pini* Bellingham, 1844a, 428 renamed) (t. h. *Trigla* (Pini) *oculus*; in *ventriculo*, *Hibernia*, Bellingham).—Cobbold 1860a, 30.—Stoss., 1886, 50.
- homolostomum* Linst., 1887, 104–105, pl. 2, figs. 5, 6, 17a (in *Limnæa stagnalis*).—Braun, 1893a, 873.
- horridum* Leidy, 1850, 303–304, pl. 43, fig. 1 (in *Boa constrictor*); 1850f, 118; 1856b, 44; 1904a, 41, 87, 227.—Braun, 1893a, 876; 1893d, 467.—Cobbold, 1860a, 20.—Dies., 1858e, 355.—Looss, 1894a, 196.—Luche, 1899, 531, 532.—Sons., 1890,—; 1893, 499; 1893, 215–216; 1893, 2 pp.; 1893, 28 Oct., 566.—Stoss., 1895, 220 (in *Python molurus*); 1904, 2.—Volz, 1899, 235, 237.
- hospitale* Staff., 1900, 403, fig. 3 (in *Diemyctylus viridescens*); 1902, 481 (in *Plethodon*) to (*Brachycelum*).
- hyalinum* Rud., 1809a, 389 (in *Salmo eriox*) *Fasc. eriocis* renamed; 1819a, 105.—Cobbold, 1860a, 26.—Dies., 1850a, 363.—Duj., 1845a, 465.—Harz, 1881c, 5 (syn. *Fasc. eriocis* Mueller).—Kroyer, 1843–45a, 624 *hyatinum* (in *Salmo eriox*).—Nord., 1840, 620 (syn. of *Fasc. eriocis*).—Olfers, 1816, 46.—Stoss., 1886, 50.
- hyans* Moul., 1856a, 49, misprint for *hians*.—Mehlis, 1831, 190.
- hyatinum* Kroyer, 1843–45a, 624 misprint for *hyalinum*.
- hyla* Rud., 1819a, 121 (in *Hyla arborea*).—Dies., 1850a, 342 (syn. of *D. cygnoides*).
- hystrix* Duj., 1845a, 433 (in *Pleuronectes maximus*, *P. platessa*).—Braun, 1892a, 655; 1893a, 865, 871, 873.—Carus, 1884, 128.—Dies., 1850a, 393 (*hystrix*); 1858e, 353 (in *Merlangus carbonarius*, *Lepidoleprus trachyrhynchus*; *Lophius piscatorius*; *Rhombus maximus*).—Fil., 1855b, 18, 19.—Gamb., 1896a, 72.—Kroyer, 1838–40a, 610, 612 (in *Platessa vulgaris*; *Rhombus maximus*).—Looss, 1899b, 581, 696 (to *Stephanost.*).—Mol., 1861, 223.—Moul., 1856a, 212 (Filippi believes *Cerc. echinocerca* is the young form), 219 (in *Pleuronectes maximus*; *P. platessa*).—Ols., 1868, 52.—Stoss., 1886, 37.
- hyterophytes* Cobbold, 1883, 401 (for *heterophytes*).
- [*illotum* Sluiter, 1898 (a tunicate).]
- imbutiforme* Mol., 1859, 839, 844–845 (in *Labrax lupus*; *Padua*).—Carus, 1884, 127.—Looss, 1899b, 576, 578, 581, 582; 1901, 631.—Mont., 1893, 177.—Stoss., 1883, 115; 1886, 36.
- imitans* Mueh., 1898a, 17–18 (in *Abramis brama*; Koenigsberg i. Pr.); 1898b, 25, 91, fig. 8b.—Looss, 1899b, to *Asymphyllodora*.
- imparispine* Lint., 1905, 327, 334, 371, figs. 189–194, in *Rachycentron canadus*; N. C.
- incerta* Cobbold, 1885g, 177–178, 1 fig. (in *Coluber*; Maldonado, Rio Plata).—Braun, 1893a, 872.—Stoss., 1895, 230.—West, 1896, 322.
- incistidata* Erc., 1881e, 96, pl. 2, fig. 10, 11, 12; 1882a, 332 (probably *incistidata* simply means incysted and is not used as a specific name).
- incisum* Rud., 1809a, 361, 435 (*D. anarrhichæ lupi* Rathke, renamed); 1819a, 94, 122.—Ben., 1870, 48, pl. 4, fig. 5.—Braun, 1893a, 875.—Cobbold, 1860a, 22.—Dies., 1850a, 339.—Duj., 1845a, 461–462.—Jacoby, 1900, 12, 13.—Kroyer, 1838–40a, 380 (in *Anarrhichas lupus*).—Linst., 1903, 278.—Odhn., 1905, 310.—Olfers, 1816, 45.—Type of *Fellodist.*, 1904.
- incivile* Leidy, 1856b, 44 (in *Leiostomus obliquus*); 1904a, 87.—Cobbold, 1860a, 20.—Dies., 1858e, 350 (in *Leiost. obliq.*; Philadelphia).—Stoss., 1886, 40; 1895, 231.—Also reported for *Sciæna obliqua*.
- inclusum* Polonio, 1859, see Par., 1894, 149 (in *Triton punctatus*; Padova).
- incommodum* (Leidy, 1856) Leidy, 1891a, 414 (includes *D. oricola* Leidy, 1884); 1904a, 235.—Mont., 1892, 715.
- incomptum* Stoss., 1886, 51, for *incomtum*.
- incomtum* Rud., 1819a, 683 (in *Chætodon* sp., Brazil).—Cobbold, 1860a 27.—Dies., 1850a, 367.—Duj., 1845a, 459.—Stoss., 1886, 51 (*incomptum*).
- inconstans* Lint., 1905, 327, 334, 400, fig. 183–187, in *Chætodipterus faber*; N. C.

## DISTOMA—Continued.

- incrassatum* Dies., 1850a, 390–391 (in *Lutra solitaria*; Brazil); 1855, 68, pl. 3, figs. 22–25; 1858e, 350 (in *L. sol.*).—Braun, 1901e, 317–318, 328, fig. 5, 8, 9; 1902b, 27.—Cobbold, 1879b, 298.—Mont., 1888a, 14.—Stoss., 1892, 30 (to *Echinost.*).
- increscens* Ols., 1868, 36–37, pl. 4, fig. 83 (in *Scomber*, *Merlucius*, *Hippoglossus*).—Ben., 1870, 37.—Braun, 1892a, 699.—Lint., 1901, 415, 479.—Mont., 1893, 95.—Odhn., 1905, 332 (in *Scomber*). 338 (syn. of *Lepodora rachiaca*, type).—Stoss., 1886, 42, to (*Echinost.*) (in *Hippoglossus maximus*, *Merlucius vulgaris*, *Scomber scombrus*).—Also reported for *Gadus merlangus*, *G. morrhua*.
- inermis* Nitzsch, MS., in Rud., 1819a, 375 (in *Anas boschas fera*) (syn. of *D. oxycephalum*).—Dies., 1850a, 346 (syn. of *D. oxyc.*).
- inermis* Fil., 1857c, pl. 2, fig. 16, for *D. inermis paludinae impuræ*.—Erc., 1881e, 35; 1882a, 271.—Harz, 1881c, 4.
- inermis* Linst., 1879, 183 (in *Petromyzon fluviatilis*).
- inermis paludinae impuræ* Fil., 1857c, pl. 2, fig. 16.—Erc., 1881e, 33; 1882a, 269.
- inflatum* Crep., 1849, 64 (in *Alauda arvensis*).
- inflatum* Mol., 1859, 826 (in *Anguilla vulgaris*; Padua).—Braun, 1892a, 699.—Looss, 1899b, 576, 581, 582; 1901, 634.—Mont., 1888a, 14 (? *Creplin* or ? *Molin*); 1893, 83, 95.—Odhn., 1902, 154.—Ols., 1868, 37.—Par., 1887, 335, pl. 6, fig. 37.—Stoss., 1885, 157; 1886, 42; 1902, 582.
- inflexum* (Rud., 1802) Rud., 1809a, 395–396 (includes *Fasc. jesis* Gmelin), host *Cyprinus jesus*; 1819a, 106.—Cobbold, 1860a, 26.—Crep., 1837, 326.—Dies., 1850a, 365–366 (includes Bloch, 1782a, 11, pl. 2, figs. 10–11; *Fasc. jesis* Gmelin, 1790a, 3058; *F. inflexa* Rud., 1802, 82–83; *D. carinatum* Zed., 1803a, 217).—Duj., 1845a, 463.—Erc., 1881e, 56; 1882a, 292.—Nord., 1832a, 88.—Olfers, 1816, 46.—Stoss., 1886, 51.—Wagener, 1857, 44.—Also reported for *Idus melanotus*.
- ingens* Moniez, 1886b, in 531–543, pl. 15, figs. 1–10 (host unknown); 1887d, 100–102; 1887e, 271; 1887f, 242–243; 1896, 143.—Bl., 1888a, 543; 1891r, 692–693 (syn. of *D. clavatum* Rud.).—Braun, 1889a, 397 (host unknown); 1892a, 586, 690; 1893b, 1.—Buttel-Reepen, 1900a, 585, 586, 587, 588, 590, 591, 592; 1902, 167, 171; 172, 173, 176, 196, 202, 206, pl. 6, fig. 18.—Darr, 1902, 666, 677, 678, 685.—Hoyle, 1890, 540.—Mont., 1888a, 39, 47; 1893, 22, 26, 27, 34, 36, 65, 72, 73.
- innocuum* Bætz of Taylor, 1884, 53 (for *D. hepatis innocuum*).—Craes, 1888a, 36ff.—Grall, 1887a, 460.—Ijima, 1899b, 139.—Laspeyres, 1904a, 6, 12 (innocuum).—Looss, 1907, Feb. 1, 141, 148 (syn. of *Clonorchis sinensis*).
- innocuum hepatis* La Clínica de Málaga, 1883, 309 (for *D. hepatis innocuum*).—St.-Remy, 1883, 529.
- innocuum* Laspeyres, 1904a, 6, 12, for innocuum.
- insigne* Dies., 1850a, 347 (in *Echinorhinus spinosus*) (*D. scimna* Risso, 1826, renamed); 1858c, 335.—Ariola, 1899, 7, 9 (syn. of *D. veliporum* Crep.).—Braun, 1892a, 586, 591, 592, 593, 603, 608, 617, 623, 624, 625, 628, 635, 647, 655, 666, 669, 677, 682, 686, 690, 708, 712, 717, 719, 724, 731, 733; 1903a, 873.—Buttel-Reepen, 1902, 170, 171, 202, pl. 6, fig. 23.—Crep., 1851, 1, 296.—Darr, 1902, 683.—Fischer, 1883a, 29.—Jägers., 1900, 72.—Jourdan [1881b], 5, 9.—Kerbert, 1881a, 551, 557, 574.—Lander, 1904a, 7.—Linst., 1903, 354.—Looss, 1885b, 5, 10, 17, 26; 1894a, 152, 198, 199.—Mont., 1893, 27, 33, 34, 52, 77, 95, 102, 107, 192.—Ols., 1896, 508 (cf. *D. veliporum* Crep.).—Poir., 1885, 4, 21, 25, 26, 30, 32, 33, 37, 40, 42, 44, 48, 49, 51, 53, 61, 62, 70, 74, 75, 80, 82, 83, 87, 88, 94, 97, 105, 106, 107, 109, 117, 118, 120, 127, 129, 142, 150, pl. 33.—Villot, 1876, 1345; 1878, 2, 3–18, pl. 5, fig. 8, pl. 6, figs. 1–9, pl. 7, figs. 1–3, pl. 8, figs. 1–10; 1882, 506, 507.—Wolf, 1903, 619.—Ziegler, 1883, 545.
- instabile* Duj., 1845a, 412 (in *Sorex fodiens*; Rennes), to (*Brachylaimus*).—Braun, 1901, 342.—Cobbold, 1860a, 8; 1879b, 296.—Dies., 1850a, 387.—Stoss., 1892, 16 (in *Crossopus fodiens*; Rennes).
- intermedium* Mehlis, in Crep., 1846, 138, 139 (in *Colymbus cristatus*, *C. subcristatus*).—Dies., 1850a, 397.—Stoss., 1892, 183.
- [*intersectus* Laennec, 1807, 1812c, 9–12 (*Distomus* n. g.), in *Homo*.]
- [*intestinale* Rud., 1819a, 119, see *D. aluconis intestinale*.]
- intestinale* Taylor, see Carter, 1862a, xxxi, in int. of *Homo*; District of Dacca, India.
- intestinalis ardeæ nigræ* Viborg, 1795, 242.

## DISTOMA—Continued.

*intestinalis testudinis mydæ* Viborg.—See Rud., 1809a, 433 (syn. of *D. testudinis mydæ* Rud.).

*intestinalis rulpis* Viborg, 1795, 242.

*invaginatum* Mayer, 1841a, 17, *D. appendiculatum* renamed.

*involutum* Rud., 1809a, 377–378 (in *Upupa* epops), includes *Fasc. upupæ* Schrank, 1790, and *D. fusiforme* Zed., 1800a, from *Upupa* epops; 1819a, 101 (July).—Braun, 1901, 561.—Cobbold, 1860a, 13.—Dies., 1850a, 351 (includes *Fasc. upupæ* Schrank, 1790, 123; *D. fusiforme* Zed., 1800a, 171, and 1803a, 210).—Olfers, 1816, 44.—Stoss., 1892, 183.

*irroratum* Rud., 1819a, 105, 393–394 (in *Testudo mydas*; Arimini, May).—Braun, 1893a, 873; 1893d, 466; 1899b, 715, 717–718, 722; 1901b, 20, 36–38, figs. 27, 30, 32.—Carus, 1884, 129.—Cobbold, 1860a, 20.—Dies., 1850a, 364 (in *Halichelys atra*; Arimini).—Duj., 1845a, 451–452.—Looss, 1899b, 590 (belongs to or is closely related to *Astia* judging from Braun, 1899, 717); 1901i, 558, 559, 560 (ex parte syn. of *Pachypsolus lunatus* Looss, type of genus); 1902m, 485 (to *Pachypsolus*; includes *P. lunatus* (Rud.) Looss, 1901, 558), 486, 487, 493, 494, 496, 497, 499, 503, 504, type of *Pachypsolus*, 505.—Mont., 1892, 715; 1896, 165.—Par., 1894, 147 (in *Thalassochelys caretta*; Rimini).—Stoss., 1895, 231.—Also reported for *Thalassochelys corticata*.

*ischnum* Leidy, 1890, 415 (in *Saurus foetens*; Beach Haven, N. J.).

*isoporum* Looss, 1894a, 2, 49–56, pl. 1, figs. 15–18, pl. 5, figs. 102–112 (in *Cyprinus carpio*, *Phoxinus laevis*, *Leuciscus rutilus*, *Abramis brama*, *Squalius cephalus*, *Tinca vulgaris*, *Esox lucius*), 58, 59, 97, 124, 127, 136, 137, 140, 144, 153, 154, 157, 159, 162, 167, 179, 191, 192, 208, 209, 212, 214, 215, 218, 231, 251, 264; (includes *Fasc. longicollis* Frœlich, e. p.: *D. globiporum* Rud. of Olss.); 1894, 17; 1896b, 46; 1899b, 576 (type of *Creadium*); 1900 (type of *Allocreadium*).—Braun, 1900, 232; 1901b, 33.—Hausmann, 1897b, 4, 6, 17, 20, 22, 27 (in *Barbus fluviatilis*).—Kowal., 1896d, 3 (253) (in *Cyprinus carpio*; Dublany).—Linst., 1903, 281.—Odhn., 1901, 483.—Staff., 1902, 481 (in *Lemotilus bullaris*).—Stoss., 1901, 94 (6).

*isoporum armatum* MacCallum, 1895, 401–406, figs. 1–4 (in *plodmotus grunniens*, *Lepomis gibbosus*, *Accepsenser rubicundus*; Lake Erie and Grand River of Ontario).—Looss, 1902, 785 (not *Allocreadium isoporum*, but allied to *D. sophiæ*).—Type no. 6856 U. S. Nat. Mus.

*isostomum* Rud., 1819a, 105, 392–393 (in *Astacus fluviatilis*).—Baer, 1827, 553.—Bettend., 1897a, 29, 30; 1897, 333, 334.—Braun, 1892a, 632, 683, 684, 685, 686.—Cobbold, 1860a, 30.—Crep., 1829b, 64–66; 1837, 310, 325, 326.—Dies., 1850a, 363 (includes Carus, 1818, 51; *D. cirrigerum* Baer?).—Duj., 1845a, 471–472.—Gaffron, 1883a, 508, 509.—Harz, 1881a–b; 1881c, 1.—Haswell, 1887a, 294.—Jackson, 1888, 643–644.—Kampmann, 1894b, 452, 453, 454, 455, 457, 458, 459, 462, pl. 19, figs. 1–5.—Knoch, 1894a, 5, 13, 15, 16, 17.—Linst., 1903, 281.—Looss, 1893b, 809; 1894a, 8, 10, 20, 143, 145, 146, 149.—Mehlis, 1831, column 184.—Mont., 1888a, 47, 48; 1893, 65, 66, 67, 69, 74.—Moul., 1856a, 217.—Mueh., 1898, 14.—Poir., 1885, 147.—Zaddach, 1881, 893.

*italicum* Stoss., 1893, 135 (6) (in *Lichia amia*; Trieste, Sept.). 1898, 51–52.—Jacoby, 1900, 17.

*jacksoni* Braun, 1892, 44; 1893d, 466, for *jacksonii*.

*jacksonii* (Cobbold, 1869) Braun, 1892a, 567, 650, 674, 710, 875, 910; 1892, 44 (*jacksoni*); 1893d, 466.

*japonicum* Bl., 1888a, 596, 618–621, figs. 320–322 (in *Homo*) (includes *D. hepatis endemicum* sive *perniciosum*; *D. hepatis innocuum*), 631; 1891, 607 (syn. of *D. sinense* Cobbold).—Billet, 1893a, 509 (syn. of *D. sinense* Cobbold).—Braun, 1893f, 386, 425; 1903, 3 ed., 161 (syn. of *Opisthorchis sinensis*).—Brunet, 1902a, 125.—Gamb., 1896a, 63.—Huber, 1896a, 577 (syn. of *D. spatulatum* Lkt.).—Katsurada, 1900, 479.—Looss, 1905, 90 (syn. of *Opisth. sin.*).—Simor, 1897, 223.—Sons., 1889, 278 (syn. of *D. endemicum* Bætz).—Ward, 1895, 328 (in *Homo*) (see *D. sinense*); 1903, 870.

*campanulatum* Schneidemuehl, 1896, 302, for *campanulatum*.

*kölikerii* Cobbold, 1860a, 30 (*D. pelagiæ* Kölliker renamed) (in *Argonauta argo*, *Pelagia noctiluca*).—Mont., 1893, 122, 124.

*köllikerii* Mont., 1893, 122, 124, corrected form of *kölikerii*.

*commutatum* Schneidemuehl, 1896, 303, for *commutatum*.

## DISTOMA—Continued.

- kongenitum* Schneidemuehl, 1896, 302, for *conjunctum*.  
*krassum* Schneidemuehl, 1896, 302, for *D. crassum*.  
*kuneatum* Schneidemuehl, 1896, 303, for *D. cuneatum*.  
*labiatum* Rud., 1819a, 108, 400 (in *Syngnathus pelagicus*; Naples, July).—Braun, 1893a, 875.—Carus, 1884, 129.—Cobbold, 1860a, 27.—Dies., 1850a, 370.—Duj., 1845a, 468.—Pag., 1862, 305.—Stoss., 1886, 51.  
*labii* Linst., 1889, 79, for *labri* Stoss.  
*labracis* Duj., 1845a, 398, to (*Dicrocoelium*), (in *Labrax lupus*; Rennes).—Barbagallo & Drago, 1903, 410 (in *Labrax lupus*; Catania).—Ben., 1858a, 1861a, 179; 1870, 24, to (*Echinost.*).—Dies., 1850a, 399.—Fraip., 1880c, 417.—Kroyer, 1838-40a, 578 (in *Lab. lup.*).—Looss, 1901, 399.—Luehe, 1900, 487.—Mol., 1859, 843.—Odhn., 1901, 513, 514.—Stoss., 1898, 46-47 (in *Lab. lup.*; Trieste).—Also reported for *Labrus maculatus*.  
*labri* Rud., 1819a, 122 (in *Labrus rupestris*; C. E. V.).—Dies., 1850a, 344 (syn. of *D. fasciatum*).  
*labri* Ben., 1870, 45, n. sp. (in *Labrus maculatus*).—Looss, 1901d, 399.  
*labri* Stoss., 1886, 30 (in *Labrus mixtus* (nec Rud.); 1887, 91-92; 1887, 186; 1898, 45.—Linst., 1889, 79 (*labii*).—Odhn., 1901, 493, 494, 495; 1902, 160 (syn. of *Helicometra pulchella*).—Sons., 1891, 257, 258.  
*labri rupestris* Olss., 1876, 20-21.—Mont., 1891, 500.—Reported for *Ctenolabrus rupestris*, *Labrus rupestris*.  
*lactea* Rud., 1819a, 121 (in *Lacerta caerulea*; C. E. V.).—Dies., 1850a, 355 (syn. of *D. mentulatum*) (in *Lacerta agilis*; Berlin).—Stoss., 1895, 218.—Also reported for *Lacerta viridis*.  
*lacinatum* Duj., 1845a, 437 (in *Simia maimon*; Paris), based on Fasc. de Brongniart, *Alaire de Brongniart* of Blainv., Dict. sc. nat., pl. 41, fig. 3; 1824, 518; atlas, pl. 2, fig. 8; 2. ed., pl. 14, fig. 15; type of *Alaire*, not *Alaria* Schrank.—Braun, 1893a, 875; 1893d, 467 (in *Cynocephalus maimon*); 1901e, 311.—Cobbold, 1860a, 8; 1879b, 289.—Dies., 1850a, 374 (includes Fasc. *maimonis* Blainv.—Gurlt, 1845, 224.—Stoss., 1892, 35 (in *Papio mormon*).  
*laeve* Lint., 1898, 517-518, pl. 43, figs. 5-8, pl. 45, fig. 1 (in *Macrourus bairdii*), type U. S. N. M. 4852; 1901, 415, 418, 481.—Looss, 1899b, 641, to *Hemimurus*.  
*lagna* Brand., 1888, 249, 250 (*ascidia* Ben., 1873, nec Rud., 1819, renamed).—Braun, 1900, 388.—Looss, 1899b, 556, 609 (type of *Lecithodendrium*), 618, 715, 716; 1902m, 827; 1907, Mar. 5, 484 (of Looss, 1899b, 715, syn. of *Lecithodend. granulatum*).—Stiles, 1901, 200.  
*lagna* (Gmelin, 1790) Rud., 1809a, 366.  
*lageniforme* Lint., 1898, 524-525, pl. 47, fig. 12 (in *Remora remora*); 1901, 415, 421, 473.  
*lancea* Dies., 1850a, 334 (in *Delphinus tuscus*; bil. duct, Barra do Rio Negro, Brazil); 1855, 64, pl. 2, figs. 17-19; 1858e, 333.—Ben., 1870, 362.—Braun, 1892a, 574; 1893a, 875; 1893, 354; 1900g, 250; 1901e, 314.—Cobbold, 1860a, 6; 1876, 35, pl. 10, fig. 1; 1879b, 416, 417, fig. 67.—Linst., 1886, 125.—Looss, 1902m, 790 (amphitypic).—Mont., 1888a, 8.—Stoss., 1892, 26-27 (in *Orcella brevirostris*; *Delphinus tuscus*; Brazil).—Weski, 1900, 4 May, 579-583, 1 fig.  
*lanceatum* (Stiles & Hass., 1896) Looss, 1899b, 556.  
*lanceolatum* (Rud., 1803) Mehlis, 1825, 42 pp. [see *lanceatum*].—Aitken, 1866, 804, 839; 1872, 146, 205; 1874, 58.—Anacker, 1892c, 94.—Anders, 1903, 6 ed., 1245 (in man).—Anglas & Ribacourt, 1901, 313-352; 1902, 313-354, 38 figs. (anat. hist.); 1902, Dec. 30, 840-841; 1905, July, 50.—Aragon, 1896, 452.—Armatage, 1895, 429.—Aschoff, 1892, 493-496, pl. 13, fig. 4, case in Homo; 1893, Aug. 25, 256.—Askanazy, 1900b, 491.—Baillet, 1866b, 18, 90, 104-105.—Baldi, 1900a, 222-224 (in horse; Milan) [224 *lanceolatum*]; 1900b, 123.—Bet-tend., 1897a, 25.—Biermer, 1863a, 395.—Bilharz, 1856a, 49.—E. Bl., 1847, 292-295, pl. 12, fig. 1.—R. Bl., 1888a, 590, 597, 602 (includes Fasc. *hepatica* Bloch, 1782; *D. hep.* Zed., 1800; Rud., 1810; Plan. *latiuscula* Goetze, 1782), 612 (description, eggs, embryo, sporocysts, redia, cercaria, adult; cases in man [five authentic cases to date reviewed], distribution), figs. 312-313, 615, 623, 631; 1891, 466-467; 1891, 610.—Bolotoff, 1890a, 695-696.—de Bonis, 1882, 172, pl. 2, fig. 13.—Bos, 1894, 245.—Bossuat, 1902, v. 6 (2), 62.—Brand., 1888a, 29; 1890a, 558.—Braun, 1883a, 62, 63-64, 70, 71, figs. 12, 16; 1895b, 11, 65, 144-145, figs. 60-62 (says 7 cases in man); 1892a, 586, 592, 598, 601, 602, 622, 635,

## DISTOMA—Continued.

638, 644, 661, 664, 669, 672, 673, 677 (anceolatum), 678, 682, 692, 700, 704, 705, 706, 712, 714, 717, 719, 724, 727, 728, 730, 732, 733, 745, 757, 758, 762, 763, 764, 766, 778, 780, 784, 785, 787, 789, 791; 1893, 347, 348, 349, 350, 351; 1893a, 857, 875, 878, 910; 1893b, 184, 185 (in *Lepus variabilis*, Anodonta sp.); 1893f, 384, 385, 386, 389, 390, 424; 1894i, 605, 606; 1899, 3; 1901h, 702; 1903, 3 ed., 157 (of Sieb., 1836, Tright, 1829, not Mehlis, syn. of *Opisthorchis felinus*), 166 (Mehlis, 1825, to *Dicrocoelium*).—Brunet, 1902a, 125.—Buchholz, —, 64.—Bettel-Reepen, 1902, 203.—Caracs, 1888a, 41.—Chatin, 1886b, 244; 1887a, 597.—Cobbold, 1855b, 4; 1864a, 184–191, fig. 39–40; 1866, 6, 7; 1872b, 91, 92; 1876, 210, 211, 303; 1879b, 17–20, 25, 28, 35, 36, 49, 318, 331, 404, figs. 1, 18; 1883, 401.—Cornil & Petit, 1901a, 178.—Cosmovici, 1891, 15 Oct., 247–248.—Crep., 1837, 313, 318, 321, 322, 323, 325, 326; 1839, 288.—Creutzberg, 1890a, 6, 7, 21.—Darr, 1902, 680.—Dav., 1877a, lxxvi, 240–257, figs. 2, 7, 39–40.—Delafield & Prudden, 1897, 130.—Delafond, 1854a, 30.—Dies., 1850a, 333–334; 1858, 58; 1858e, 332; 1859c, 427.—Duffek, 1902a, 774.—Duj., 1845a, 391–392 (to *Dicrocoelium*).—Dunglison, 1893, 338, 820, 1174.—Eiss, 1838, 22.—Erc., 1881e, 69, 90, 91; 1882a, 305, 326, 327.—Fischer, 1840, 158.—Fleming, 1881a, 90, 91.—Florance, 1866a, 5, 22.—Fraip., 1880a, 398; 1880c, 418, 426, 428; 1881b, 39; 1883a, 35.—Friedberger, 1878a, 160; 1880a, 254.—Galli-Valerio, 1893a, 174, 175, 178, 181, pl. 2, figs. 1, 5, 6.—Gamb., 1896a, 63.—Gomy, 1897a, 372, 371.—Grall, 1887a, 469.—Gronkowski, 1902a, 515, 519 (lanceolum), 520, 521, 532 (8, 12–13, 14, 25), pl. 13, figs. 4, 10, 13.—Gunther, 1858, 207.—Gurlt, 1831, 193, 372–373, pl. 8, figs. 37–38.—Hackley, 1886, 518, fig. 881.—Hahn & Lefèvre, 1884a, 529, 537–541.—Harley, 1864a, 62.—Harz, 1881c, 9.—Hoyle, 1890, 538, 540.—Huber, 1896a, 575.—Hutcheon, 1895h, 350; 1900i, 497 (in *Duiker antelope*).—Ijima, 1889b, 134.—Jackson, 1888, 649, 653.—Jacoby, 1899a, 134; 1899c, 1900, 5, 9–10, 11, figs. 6–7.—Jamieson, 1897a, 73, 74.—de Jong, 1896a, 1, 9, 10 (of van Tright), 10 (of Sieb.) (in *Felis catus*), 10, 11 (of Mehlis).—Kamensky, 1900a, 5, 6.—Kastenbaum, 1899, 243–248, figs. 33–34.—Katsurada, 1900b, 495.—Kerbert, 1881a, 551, 556.—Kholodk., 1898, 26, 27–28, 32, pl. 9, figs. 1–5; 1899a, 152, fig. 179.—Knoch, 1894a, 18 pp., 2 figs. (topography of excr. and nervous syst.); 1895a, 341; 1895b, 840–845.—Kuech., 1855, 199, 200, 207–210, 481, pl. 5, figs. 11–12.—Kumaya, 1897a, 1–6, egg.—Landois, 1882, 23.—Laspeyres, 1904a, 5, 12 (*Distomum*).—Leidy, 1856b, 43; 1904a, 88.—Lejtenyi, 1881a, 5, 7, 11, 18.—Leuck., 1863a, 457, 460, 463, 464, 465, 468, 470, 479, 480, 483, 484, 486, 487, 490, 522, 526, 575, 576, 588–610, 611, 612, 620, figs. 151, 152, 158, 161, 162, 164, 181, 197–204, 206; 1876, v. 2 (3), 871, 872; 1879, 186, 187, fig. 90; 1886d, 146, 205, 224, fig. 90.—Linst., 1873, 98, 99, 100, 102; 1883, 308.—Lockwood, 1901, 2 ed., 821.—Looss, 1892a, 134; 1894a, 19, 127, 168, 175, 206, 214, 251; 1899b, 632, 633; 1905, 88 (to *Dicrocoelium*).—Macé, 1882a, 8, 9, 12, 21, 29, 60.—Manson, 1901, 540 (supposed intermediate host *Planorbis marginatus*).—Moniez, 1892, 77–79; 1896, 86, 102, 103, 104, 108, 118, 122, 136, 138, fig. 24.—Mont., 1888a, 35, 40, 56, 57, 72; 1891, 110; 1891, 117 (*Distomum*). 1893, 28, 83, 88, 95, 99, 102, 106, 107; 1896, 162.—Mosler & Peiper, 1894, 171, 175–176, figs. 67–68.—Moul., 1856a, 18, 32, 39, 41, 43, 44, 47, 50.—Nicoll, 1906, 521.—Nord., 1832a, 47; 1840, 547, 616.—Packard, —, 522.—Padrone, 1904, 489 (*Distomi lanceolata*).—Pag., 1857, 53.—Perroncito, 1885.—Piana, 1882, —.—Poir., 1886, 29.—Rail., 1890, 143; 1893a, 361 (*felis cati* Sieb., 1836, and van Tright, 1889=D. *felinum*); 1897, 1134.—Rail. & Marotel, 1898, 30, 33, 38.—Ratz, 1898, 67, 68; 1898, 298; 1900, 141.—Raum, 1883, 10.—? Rayer, 1846, 20–23, 4 figs.—Reynes, 1869, 30–36.—Rindfleisch, 1884, 210.—Roewer, 1906, 192, 193, 196, 218.—Schmalz, 1831, 24.—Schneidemuehl, 1896, 300.—Schuberg, —, 88; 1895, 168, 181, 184, 185, 186, 187, pl. 10, figs. 1–7.—Shaw, 1901, 619, fig. 220; 1901, 1027.—Sieb., 1835, 64, 65.—Signol, 1884, 232, fig. 229.—Simon, 1896, 182, 192, fig. 52; 1897, 209, 223, fig. 53.—Sons., 1889, 275; 1893, 215, 216; 1896, 332.—Stewart, 1898, 328.—Stiles, 1898a, 55.—Stoss., 1892, 22–23 (reported for *Antelope dorcas*; *Auchenia lama*; *Capra hircus*; *Bos taurus*, Europa, America sett.; *Cervus elaphus*; *Dama vulgaris*; *Equus asinus*; *Felis domestica*; *Homo sapiens*, Weimar, Kaplitz in Bohemia; *Lepus cuniculus*; *L. timidus*; *L. variabilis*, Briançon; *Ovis aries*, Normandia, America sett.; *Sus scrofa*, America sett.).—Swart, 1862, 35–36.—Tyson, 1903, 3 ed., 1180.—Valentin, —, 147.—Verrill, 1870, 171, 175, 176, 177, 178, 219.—Vogt, 1878, 9, 38, 42, fig. 29.—Wagner, 1883, 121.—Walter, 1858, 268–297, figs.—Ward, 1895, 238–244 (from cat and dog, syn. of *D. felinum*), 328 (in *Homo*; biliary ducts), 332 (in *Bos taurus*; biliary ducts),



## DISTOMA—Continued.

- 335 (in *Ovis aries*; biliary ducts), 341 (in *Canis familiaris*) (error for *D. truncatum* and *D. felineum*).—Weichselbaum, 1898, 315.—Will.-Suhm, 1870, 1, 4, 5.—Wolf., 1903, 617.—Wood & Fitz., 1897, 335.—Zachokke, 1892, 500.—Zuern, 1882, 208, 209, 211, 218, pl. 4, figs. 1-4.
- lanceolatum* of Sieb., 1836, 113; 1850, 672-673 (in *Felis catus* dom. at Danzig), and of van Tright, 1889 (in *Canis* fam. at Utrecht). syn. of *D. felineum* = *Opisthorchis felineus*. See Braun, 1893f, 424; 1903, 3 ed., 157.—Rail., 1893a, 361.—Stiles & Hass., 1894e.—Ward, 1895, 243; 1903, 869.—See also Dies., 1850a, 404 (? syn. of *Amphist. truncatum*); 1858e, 332.
- lanceolum* Gronkowski, 1902a, 519 (12) (for *lanceolatum*).
- lanceulatum* Baldi, 1900a, 222-224 (for *lanceolatum*).
- lasium* Leidy, 1891a, 415-416 (in *Ilyanassa obsoleta*; Beach Haven, N. J.).
- laticolle* Rud., 1819a, 117, 421 (in *Caranx trachurus*; Naples, Arimini). to (Echinost.).—Braun, 1892a, 575, 576.—Carus, 1884, 126.—(rep.). 1837, 311.—Dies., 1850a, 386.—Duj., 1845a, 432.—Kroyer, 1838-40a, 597 (in *Caranx trachurus*).—Looss, 1899b, 580.—Mont., 1890, 422; 1893, 191, pl. 1, fig. 17.—Stoss., 1886, 35.
- laticolle* Mueh., 1896, 590 (in *Anas glacialis*; East Prussia), not Rud., 1819, see *platyurum*.
- laureatum* Zed., 1800a, 164, 192-194 (in *Salmo trutta*; Europe); 1803a, 219.—Blainv., 1824a, 518, type of "lobostome."—Braun, 1892a, 735, 736, 784, 785, 786; 1893b, 184; 1900, 231, 232; 1900, 389; 1901b, 31.—Dies., 1850a, 380 (includes *Fasc. farionis* Mueller; *F. truttæ* Frølich).—Duj., 1845a, 435, to (*Crossodera*).—Kroyer, 1838-40a, 615; 1843-45a, 644; 1846-53a, 54 (in *Thymallus vulgaris* Cuv.; *Salmo trutta* Linn.; *S. fario* Linn.).—Linst., 1903, 279.—Mont., 1893, 85, 86, 94.—Nord., 1840, 621 (to *Fasc.*).—Olfers, 1816, 46.—Olss., 1876, 24; 1893, 12.—Risso, 1826, 262.—Rud., 1809a, 413-414; 1814a, 102; 1819a, 113, 413.—Sieb., 1850, 645.—Stoss., 1886, 18 (in *Coregonus oxyrrhynchus*, *Salmo salvelinus*, *Thymallus vulgaris*, *Trutta fario*, *T. trutta*).—Wagener, 1860, 165.—Also reported for *Coregonus lavaretus*, *Salmo fario*.
- [*laysani* Sluiter, 1900, 9 (a tunicate).]
- [*leachi* Stevens, 1827 (a beetle), *Distomus*.]
- leidy* Cobbold, 1860a, 10 (*Clinost. dubium* renamed).—Stoss., 1892, 181.
- lensis* (Gescheidt, 1833) Dolley, 1894a, 989.
- leptosomum* Crep., 1829, 57-58 (in *Tringa variabilis*); 1831, 177; 1837, 311, 316, 318; 1846, 136.—Braun, 1892a, 650; 1893b, 183 (in *Synapta inhiernus*).—Cobbold, 1879b, 438.—Dies., 1850a, 384.—Duj., 1845a, 428.—Mehlis, 1831, column 177.—Mont., 1888a, 14; 1893, 95.—Stoss., 1892, 169 (to *Echinost.*).—Villot, 1875, 475, 476; 1878, 24-26, 33, pl. 5, figs. 4-6 (in *Tringa variabilis*, *Calidris arenaria*).
- leptosomum* Roewer, 1906, 185, 186, for *leptostomum*.
- leptostomum* Olss., 1876, 18-19, pl. 3, figs. 38-40 (in *Meles taxus*).—Braun, 1892a, 699, 722, 723, 734, 735; 1899g, 492 (to *Harmost.*); 1900h, 5, 6, 11, 12; 1901e, 338, type of *Harmost.*, 341.—Hofmann, 1899a, 174-204, pls. 11-12 (development from *Cercariæum heliciæ*).—Looss, 1894a, 2, 120, 125, 136, 140, 168, 169, 170, 171, 173, 179, 184, 197, pl. 3, fig. 50, pl. 6, fig. 113; pl. 7, fig. 133 (in *Erinaceus europæus*); 1899b, 556, 652, 746 (type of *Heterolope*).—Roewer, 1906, 185, 186 (*leptosomum*).—Stoss., 1892, 17 (in *Erin. europ.*, *Me. tax.*) (includes *D. caudatum* Linst.), to (*Brachylaimus*); 1898, 24, syn. of *Mesogominus linguæformis*.
- leucochloridi* Leuck., 1858a, 115, see *Leucochloridium paradoxum*.
- ligula* Ben., 1870, 1871a, 17 (in *Scymnodon ringens*; Portugal).—Linst., 1903, 354.
- lima* Rud., 1809a, 37, 408, 427-429 (in *Vespertilio auritus*, *V. murinus*; Europe) (includes *Fasc. vespertilionis* Mueller, 1788; ? *Plan. vesp.* Gœze, 1782; *Fasc. picta* Rud., 1802; *D. vesp.* Zed., 1803); 1819a, 117, 119.—Ben., 1873, 25.—Brand., 1888, 249, 250.—Braun, 1892a, 663; 1900, 221, 223, 229, 234, 236; 1900, 388, 389, 390.—Cobbold, 1860a, 7; 1879b, 294.—Crep., 1829, 70-72; 1837, 311, 322, 326.—Dies., 1836, 240; 1850a, 349, 387.—Duj., 1845a, 437-438.—Kolenati, 1857, 11, 12.—Lamouroux, 1824, 563 (*Distome lime*).—Linst., 1885, 248; 1887, 103.—Looss, 1899b, 590; 1907, Mar. 5, 483 (of Ben., 1872, 25, figs. 1-6, 18, possibly belongs to *Parabascus*).—Luehe, 1899, 530, 532 (type of *Plagiorchis*); 1901n, 487.—Mehlis, 1831, 185-186.—Mueh., 1898,

## DISTOMA—Continued.

- 29.—Nord., 1840, 616.—Olfers, 1816, 46.—Sieb., 1835, 56, 64, 65.—Staff., 1905, Apr. 11, 693 (syn. of *Plagiorchis vespertilionis* (O. F. Mueller)).—Stoss., 1892, 14 (in *Plecotus auritus*; *Rhinolophus ferrum-equinum* in Vienna and Belgium; *R. hipocrepis*, Belgium; *Vespertilio dasycneme*, Belgium; *V. daubentonii*, Belgium; *V. murinus*, Greifswald, Maestricht; *V. nattereri*, Maestricht; *V. emarginatus*, Belgium; *V. mystacinus*, Maestricht; *Vesperugo discolor*, Vienna; *V. noctula*, Belgium; *Vesperus serotinus*; *Nannugo pipistrellus*, Lavvain; *Molossus rufus*, Brasil; *M. nassatus*); 1904, 2.—Also reported for *Vespertilio discolor*, *V. ferrum-equinum*, *V. nattereri*, *V. noctula*, *Vesperugo pipistrellus*.
- limacis* Dies., 1850a, 302 (to *Heterost.*; *Rhedoni*), based on Duj., 1845a, 472, 473.
- limatulum* Braun, 1900f, 389–390 (in *Molossus* sp., from Brazil); 1900b, 233–234, pl. 10, fig. 12.—Looss, 1907, Mar. 5, 488 (probably belongs to *Parabascus*).
- limnææ oratæ* Linst., 1885, 251, pl. 15, fig. 28.
- limnæi* Dies., 1850a, 302 (to *Heterost.*), based on Duj., 1845a, 473 (in *Lymnæus palustris*; *Rhedoni*).
- limnophili* Linst., 1879, 185–186, pl. 12, figs. 32–33 (larva form in larva of *Limnophilus* (?) rhombicus; apparently Germany); 1887, 100.—Stoss., 1889, 66, syn. of *D. endolobum*.
- lincæ* (Rud., 1793), Zed., 1803a, 219.—Anacker, 1887c, 513.—Baillet, 1866b, 105.—Braun, 1892a, 874; 1901, 561.—Caruccio, 1886, 293.—Cobbold, 1860a, 32 (to *Crossodera*); 1879b, 440.—Dies., 1850a, 379–380.—Duj., 1845a, 444.—Hahn & Lefèvre, 1884a, 516.—Hass., 1896a, 2 (to *Crossodera*).—Landois, 1882, 23.—Magalhães, 1899, 258.—Olfers, 1816, 46.—Rail., 1893a, 368.—Rud., 1809a, 50, 414–415; 1819a, 113–114, 414–415, 685.—Schneidemuehl, 1896, 303.—Sieb., 1835, 52.—Stoss., 1892, 146 (to *Crossodera*).—Verrill, 1870, 179.—Reported for *Anas anser*, *A. boschas dom.*
- lineola* Dies., 1850a, 346 (in *Falco rufus*) (includes *D. falconis rufi* Rud., 1819a, 119; *C. E. V.*).—Braun, 1901, 561, 565.—Cobbold, 1860a, 12.—Stoss., 1892, 183.—Also reported for *Circus rufus*.
- lingua* Cresp., 1825a, 47–48 (in *Larus marinus* v. *maximus*; Dec., apparently Europe); 1837, 310; 1846, 139.—Braun, 1892a, 569, 699, 721.—Cobbold, 1860a, 11.—Dies., 1850a, 343 (*L. argentatus*).—Duj., 1845a, 448.—Jacoby, 1900, 23.—Jagers., 1899a, 16 pp., 1 pl., figs. 1–4; 1901, 982; 1903a, 1, 5.—Kowal., 1896d, 252 (2) (in *Dominicanus marinus*; *Livon.*).—Looss, 1899b, 586 (type of *Tocotrema*).—Luehe, 1899, 539.—Mont., 1893, 94.—Mueh., 1898, 21–22, 29, 94–96, fig. 16 (in *Larus ridibundus*; see *D. mühlingi*; Pillau, Mar.).—Olss., 1876, 15; 1893, 11.—Stoss., 1892, 158; 1896, 129; 1898, 41–42.
- linguaforme* Dies., 1850a, 335 (*Brachylæmus erinacei* Blan. renamed) (in *Erinaceus europæus*; Paris).—Cobbold, 1879b, 295.—Stoss., 1892, 35 (syn. of *D. blanchardii*) (in *Erin. europ.*); 1898, 24, to *Mesogonimus*.
- linguatula* Rud., 1819a, 100 (host not known; Brazil, Aug.), 383 (*Rana n. sp.*; Brazil), 679 (*R. musica*; Brazil).—Cobbold, 1860a, 18.—Dies., 1850a, 353 (in *Cystignathus pachypus*; *Docyodophryna aqua*; *Ceratophrys varia*; Brazil).—Duj., 1845a, 454.—Par., 1896, 11–12 to (*Brachylaimus*).—Stoss., 1889, 70 (in *Cystignathus ocellatus*).—Reported also for *Bufo aqua*.
- linstowi* Mont., 1893, 102, for *linstowii*.
- linstowii* Stoss., 1890, 42–43, pl. 16, figs. 67–69 (*Monost. aculeatum* Linst., from *Testudo græca*, renamed); 1895, 224–225; 1898, 43; 1904, 5.—Braun, 1891d, 424 (in *Testudo græca*); 1892a, 699; 1899, 630, 631, 632; 1901b, 13, 14; 1901i, 58 (*linstowi*).—Linst., 1879, 338.—Looss, 1899b, 566, 567 (type of *Telorchis*, Looss).—Luehe, 1899, 528 to *Telorchis*, but not as type; 1900, 566, type of *Cercorchis*.—Mont., 1892, 715 (*linstowi*); 1893, 83, 85, 86, 102.—Par., 1894, 146.
- lobotes* MacCallum, 1895a, 406–410, figs. 5–7 (in *Anguilla chrysopa*, *Perca flavescens*, *Stegostedion vitreum*) [type U. S. Nat. Mus. 6857].—Type of *Centrovium*, 1904.
- loliginis* (Gmelin, 1790) Zed., 1803a, 222–223.—Baird, 1853a, 115 (= *Tetrabothriorhynchus barbatus*).—Dies., 1850a, 573 (syn. of *Tetrabothriorhynchus migratorius*).—Rud., 1809a, 385.
- longicauda* Rud., 1809a, 372–373 (in *Corvus cornix*); 1819a, 98, renamed *D. macrourum*.—Braun, 1899b, 714; 1901, 561, 562, 565; 1902b, 99 (p. p. of Stoss., 1892, 14, and Mueh., 1896, 248, as syn. of *Lyperosomum albicolle*), 106–109, to

## DISTOMA—Continued.

- Lyperosomum*, type.—Dies., 1850a, 345 (syn. of *D. macrourum*).—Jacoby, 1900, 10, 11.—Looss, 1899b, 634 (to *Dicrocoelium*, also *Lyperosomum*).—Much., 1896, 248-252, figs. 2, 9; 1896, 589.—Olfers, 1816, 44.—Volz, 1900, 149.—Wolffhuegel, 1900, 9, 20, 21, 23, 24, 25, 26, 27, 28, 29, 31, 35, 36, 41.—Also reported for *Corvus corone*, *C. frugilegus*.
- longicolle* Crep., 1825a, 57-59 (includes *D. embryo* Olfers; in *Perca cernua*. *P. vulgaris*); 1837, 310.—Ben., 1858a, 1861a, 203.—Braun, 1892a, 784, 785.—Dies., 1850a, 365 (in *Acerina vulgaris*; Berlin) (syn. of *D. embryo*).—Duj., 1845a, 455.—Leblond, 1835c, 103 (in *Muraena conger* Linn.); 1836f, 4.—Moul., 1856a, 48, 219 (in *Perca cernua*, *P. fluviatilis*).—Vaullecard, 1899, 82.—Wagener, 1857, 26.
- longicolle* (Frœlich, 1791) Harz, 1881c, 5, 11.
- longicolle* Crep., 1846, 154, 155 (in *Cottus gobio*).—Sieb., 1848, 142 (in *Cottus gobio*).
- longicolle* (Abildg., 1788) Cobbold, 1860a, 18-19 (in *Tropidonotus naja*).
- longissimum* Linst., 1883, 308-309, pl. 9, fig. 50 (in *Ardea stellaris*; Turkestan); 1886, 32.—Braun, 1892a, 567, 699, 711, 722; 1893a, 875; 1893, 353; 1893f, 426; 1894i, 602, 605; 1899, 4.—Looss, 1896b, 58.—Mont., 1893, 83, 95, 102.—Stiles & Hass., 1894e, 418; 1896c, 151-155, figs.—Stoss., 1892, 161 (*Botaurus stellaris*); 1904, 12.
- longissimum* Poir., 1886, 29-30, pl. 1, fig. 6 (in *Delphinus tursio*).—Braun, 1892a, 699.—Mont., 1893, 41.—Par., 1896, 1-3 (= *D. tursionis Marchi*).—Stoss., 1892, 25-26 (in *Delph. tur.*).
- longissimum corvinum* Stiles & Hass., 1894c, 418 (in *Corvus americanus*, *C. ossifragus*); 1896c, 151-155, figs.—Looss, 1899b, 564, to *Opiathorchis*.
- longissimum corvinum* Stiles & Hass., 1896c, 155, misprint for *corvinum*.
- longum* Leidy, 1851, v. 5, 206, v. 8, 44, 340 (in *Esox eator*; Cleveland, Ohio).—Braun, 1893a, 872.—Cobbold, 1860a, 24; 1879b, 458.—Dies., 1855, 64, footnote 13; 1858, 340.—Stoss., 1886, 52.—Wolf, 1903, 605, fig. 1.—Type of *Megadistomum* 1904.—Also reported for *Esox reticulatus*.
- lorum* Duj., 1845a, 407 (? syn. *Monost. ocreatum*) (in *Talpa europæa*; Rennes), to (*Brachylaimus*).—Braun, 1892a, 567, 579, 597, 642, 662, 663, 671, 699, 700, 705, 723, 737; 1893a, 893; 1900, 13; 1900h, 6; 1901, 897; 1902b, 135, syn. of *Ityogonimus ocreatus*.—Dies., 1850a, 326 (syn. of *Monost. ocreatum*).—Kuech., 1855, 181.—Looss, 1899b, 653 (type of *Dolichosomum*); 1900, 608 (type of *Dolichodemus*); 1901m, 192.—Luehe, 1899, 538, syn. of *D. ocreatum* Zed., which is taken as type of *Ityogonimus*.—Melnikow, 1865a, 49-55, pl. 3, figs. a-b.—Mont., 1892, 41; 1893, 155.—Stoss., 1892, 17-18 (includes *Monost. ocreatum*; *M. acreatum*) (in *Talpa europæa*, Vienna, Offenbach, Rennes, Denmark).—Volz, 1899, 232.—Will.-Suhm, 1870, 12.
- loxia* Rud., 1819a, 120 (in *Loxia chloris*; *L. coccothraustes*; *L. pyrrhula*; C. E. V.).—Duj., 1845a, 443.—Stoss., 1892, 149 (syn. of *D. mesostomum*).
- lucii* Rud., 1819a, 122 (in *Esox lucius*; Greifswald, Jan.) for *D. esocis lucii* Rud., 1809a, 438.—Dies., 1850a, 399.
- lucii* (Mueller, 1776) Zed., 1800a, xvii, 163, 173-175; 1803a, 213, pl. 3, fig. 3.—Ben., 1858a, 1861a, 100 (syn. of *D. tereticolle*).—Dies., 1850a, 358 (*luzii*, syn. of *D. teret.*).—Harz, 1881c, 5 (syn. *D. teret. Rud.*).—Looss, 1894a, 5 (syn. of *D. teret.*).—Rud., 1809a, 380 (syn. of *D. teret.*).—Schmalz, 1831, 25.—Sramek, 1901, 105 (syn. of *D. teret.*).
- luciperæ* (Mueller, 1776) Zed., 1803a, 216.—Dies., 1850a, 381 (syn. of *D. nodulosum*).—Rud., 1809a, 411, 412 (syn. of *D. nod.*).—Sramek, 1901, 106 (syn. of *D. nod. Zed.*).
- lucipetum* Rud., 1819a, 94, 367 (in *Larus glaucus*, *L. fuscus*; Mus. Vien.).—Braun, 1893a, 877; 1893d, 468; 1897c, 2-3; 1901, 561, 565-566; 1902b, 31 (to *Philophthalmus*), 32 (includes Bremser, 1824, pl. 9, figs. 1-2; Rud., 1819a, 94, 367; Duj., 1845a, 400; Braun, 1897, 2; 1901, 565; Dies., 1850a, 338; Stoss., 1892, 15, 37).—Cobbold, 1860a, 11.—Crep., 1837, 317.—Dies., 1850a, 338.—Duj., 1845a, 400-401, to (*Dicrocoelium*).—Looss, 1899b, 701 (to *Philophthalmus*).—Mol., 1859, 844.—Moul., 1856a, 50.—Nord., 1832a, 17.—Stoss., 1892, 157.
- lutea* Ben., 1870, 3, pl. 4, fig. 9 (in *Scyllium canicula*); 1878, 28.—Ariola, 1899, 8 (syn. of *D. betencourti*).—Braun, 1892a, 700, 705, 720, 721, 736.—Jacoby, 1900, 11.—Linst., 1903, 354 (syn. of *D. betencourti*).—Looss, 1902, 129.—Mont., 1890, 424.—Stoss., 1886, 52 (in *Sc. can.*, *Mugil chelo*).

## DISTOMA—Continued.

- luteum* Baer, 1826a, 125 (*Paludina vivipara*); 1827, 610–611, pl. 29, figs. 20–22.—Braun, 1892a, 632.—Crep., 1837, 310, 325, 326.—Dies., 1850a, 302 (renamed *Heterost. ovatum*); 1858d, 279, 280 (of *La Valette* and Wagener, syn. of *Cercariaeum ovatum*) (in *Esox lucius*) “Wagener: n. sp.”—Erc., 1881e, 45, 46, pl. 2, fig. 8; 1882a, 281, 282.—Fil., 1854a, 25.—Fraip., 1880c, 445, 446.—Gamb., 1896a, 62, fig. 30.—Leuck., 1863a, 466, figs. 149, 154, 155; 1879, 10, fig. 1 (of *La Valette*); 1886d, 6 (of *La Valette*), fig. 1.—Mont., 1893, 60, 82, 190 (syns. *Heterost. ovatum* Dies.; *Dist. luteum* *La Valette*, 1854, 86, Wagener, 1853, 103, Pag., 1857, 34; *Cercariaeum ovatum* Dies., 1858, 279; *Dist. ovatum* Cobbold, 1860a, 30), 191 (of Ben., 1870, 3; Stoss., 1886, 52; Mont., 1890, 432, renamed *betencourti*).—Moul., 1856a, 213, 215 (*Heterost. ovatum* Dies. as syn.), 216 (in *Paludina vivipara*), 229, 230.—Mueh., 1898, 11.—Pag., 1854, pl. 3, fig. 15, in *Paludina vivipara*; 1857, 6, 34, pl. 3, fig. 13 (in *Paludina vivipara*).—Sons., 1897, 252.—Wagener, 1857, pl. 23, fig. 3 (in liver of *Paludina vivipara* and in int. of a Hecht, at Nice).
- luzii* Dies., 1850a, 358, misprint for *lucii* (Mueller) Zed. (syn. of *D. tereticolle*).
- lydiae* (Stoss., 1896) Looss, 1899b, 581 (to Stephanost.).—Type of *Dihemistephanus*, 1901.
- lymnaei auricularis* Fil., 1854, 25–26, 30, pl. 2, fig. 32 (in *Lymnaeus auricularis*); 1854, 280–282, pl. 2, fig. 32; 1855b, 23.—Dies., 1855a, 398 (to *Cercariaeum*).—Wagener, 1857, pl. 36.
- lymphaticum* Linst., 1903t, 353–354, figs. 3–4 (in *Mustelus vulgaris*).—Odhn., 1906, 64 (syn. of *D. megastomum*).
- macconnelli* Cobbold, 1876, 97, *D. sinense* renamed.
- macrobothrium* Ben., 1870, 70, pl. 4, fig. 1 (in *Osmerus eperlanus*).—Stoss., 1886, 52.
- macrocotyle* Dies., 1858e, 342 (in *Orthogoriscus mola*, intestine; Ireland), based on Bellingham, 1844a, 429.—Braun, 1892a, 569; 1893a, 873, 910; 1901b, 27.—Lint., 1898, 522, 523, pl. 45, figs. 8–10, pl. 46, 1–5; 1900, 282; 1901b, 415 (in *Mola mola*, *Myliobatis freminvillei*), 421, 434, 466.—Looss, 1894a, 165; 1899b, 631; 1900, 487.—Mont., 1893, 23, 27, 29, 30, 32, 40, 47, 80, 81, 83, 93, 94, 95, 96, 102, 108, 113, 115, 119, 126, 127, 128, 132, 133, 134, 135 (= *D. megninii*), 136, 137, pl. 1, fig. 7, pl. 3, fig. 27, pl. 4, figs. 43–47; 1903, 10.—Ols., 1868, 24.—Par., 1902, 6 (in *Lophius piscatorius*, *Orthogoriscus mola*; Tonnara d’Enfola).—Sons., 1891, 258 (in *Lophius piscatorius*).—Stoss., 1886, 20; 1887, 185; 1896, 190, to (*Podocotyle*); 1898, 52.
- macrolaimus* Linst., 1894b, 334–335, fig. 9 (in *Vesperugo pipistrellus*).—Braun, 1900, 227–228; 1900, 388.—Looss, 1899b, 618, to *Lecithodendrium*; 1902m, 774.—Luehe, 1899, 536.
- macrophallos* Linst., 1875a, 190–192, pl. 2, figs. 12–13 (in *Totanus hypoleucos*); 1877, 183; 1887, 104 (*macrophallus*).—Braun, 1892a, 585, 736, 737; 1893a, 838, 839, 849; 1900, 234; 1902b, 50, 155.—Jägers., 1900, 738, to (*Levinsonia*).—Looss, 1894a, 135; 1899b, 620; 1902m, 704.—Luehe, 1899, 537.—Nicoll, 1906, 524.—Odhn., 1900, 13; 1905, 317.—Stiles & Hass., 1902d, 20.—Stoss., 1892, 147 (in *Actitis hypoleucos* at Ratzeburg, *Totanus fuscus* at Hameln).—Ward, 1901, 184.
- macrophallus* Linst., 1887, 104.
- macropoculum* Cobbold, 1860a, 25 (in *Orthogoriscus mola*) (new name for *D. macrocotyle* Dies.; *D. orthogorisci mola* Bellingham).—Mont., 1893, 127.
- macroporum* Mont., 1893, 133–138, pl. 4, figs. 48–49 (in *Lophius piscatorius*).—Stoss., 1898, 52 (syn. *D. macrocotyle* Stoss.) (in *L. pisc.*; Trieste).
- macrostomum* (Rud., 1803) Rud., 1809a, 382, 383, 386–387, 393 (in *Motacilla luscini*); 1819a, 104.—Bavay, 1902a, 200.—Bettend., 1897a, 7, 15, 39; 1897, 311, 319, 343.—Brenner, 1824, 133.—Braun, 1883a, 56; 1891c, 215, 219; 1892a, 593, 597, 598, 603, 607, 608, 638, 640, 641, 642, 675, 676, 677, 682, 684, 685, 687, 693, 700, 701, 703, 712, 713, 718, 736, 773, 775, 777, 778, 779, 780, 784, 785, 798, 801, 803, 806, 807, 808, 814; 1893a, 818, 819, 820, 823, 821, 825, 829, 830, 831, 841, 855, 856, 860, 862, 863, 865, 868, 874, 879; 1893b, 177; 1895b, 134, 135; 1901, 561, 566, 568; 1902b, 42, 43 (coll. Vienna, 469, from *Parus major*, as syn. of *Plagiorchis elegans*), 137.—Cobbold, 1860a, 14; 1879b, 436.—Creutzberg, 1890a, 11.—Dies., 1850a, 361 (includes *D. erraticum* et *philomela* Rud., 1819a, 120; *D. ringens* Rud., 1819a, 101, 385).—Duj., 1845a, 443.—Gamb., 1896a, 62, 64–67, 72, figs. 32, 33.—Heckert, 1887a, 456ff; 1889a, 66 pp., 4 pls., monograph,

## DISTOMA—Continued.

- life history, *Leucochloridium*; 1889b, 357–362; 1890a, 42–43; 1891a, 189; 1892a, 189.—Hoyle, 1890, 540, fig. 4 A. B. (has remarkable larva known as *Leucochloridium paradoxum*).—Jackson, 1888, 648 (rep. system), 651 (= *Leucochloridium* Kowal., 1896i, 353 (9), to (*Urogonimus*); 1896d, (4), 254 (in *Turtur aurita*; Dublany).—Leuck., 1879, 95; 1886d, 72.—Looes, 1892, 101, 116, 122, 159; 1894a, 151, 179, 181, 202, 206, 236, 240, 252, 262; 1896b, 139, 140; 1899b, 536, 646, 647.—Mont., 1888a, 92; 1892, Oct. 7, 187; 1892, 713; 1893, 157.—Mueh., 1898, 101.—Nicoll, 1906, 521.—Olfers, 1816, 44.—Stiles, 1901, 194.—Stoess., 1892, 183; 1898, 23.—Westhoff, 1890, 337–339.—Wolf, 1903, 617, 618.—Wolffhuegel, 1900, 9, 24, 40, 41, 43, 44.—Also reported for *Aegithalus pendulinus*, *Apternus tridactylus*, *Budytes flavus*, *Corvus corone*, *Dryocopus martius*, *Garrulus glandarius*, *Picus major*, *Succinea putris*).
- macrostomum* Schlotthauber, 1860, 130 (in *Petromyzon fluviatilis*).
- macrourum* Rud., 1819a, 98 (in *Corvus cornix*), *D. longicauda*, 1809, renamed.—Baird, 1853a, 50, includes *D. clathratum* Deslongchamps and *D. albicollis* Rud.—Braun, 1891, 101; 1892a, 764 (*macrurum*); 1893a, 875; 1901, 561, 562, 569; 1902b, 99 (pp. of Stoess., 1892, 13, syn. of *Dicrocoelium albicollis*), 106 (syn. of *Lyperosomum longicauda*), 107 (includes Dies., 1850a, 345; Linst., 1883, 309; 1886, v. 2, p. 34; Rud., 1819a, 98; Stoess., 1892, 13 pp.).—Cobbold, 1860a, 11.—Crep., 1837, 324; 1846, 132.—Dies., 1850a, 345 (in *Corvus cornix*, *Anthus arboreus*, *Turdus merula*; Rhedoni) (includes *D. attenuatum* Duj.?).—Linst., 1883, 309–310; 1886, 34.—Nord., 1832a, 93.—Rail., 1900, 240.—Stoess., 1892, 156.—Also reported for *Alauda arborea*, *Aquila pennata*, *Cypselus apus*.
- macrurum* Braun, 1892a, 764 (for *macrourum*).
- maculatum* Looes, 1901d, 402–404, fig. 3 (in *Labrus merula*, *Crenilabrus pavo*, *C. griseus*; Triest).
- maculosum* (Rud., 1802) Rud., 1809a, 374–375 (in *Hirundo apus*; *H. rustica*; *H. urbica*) (includes *Fasc. hirundinis* Frœlich, *D. hirundinum*); 1814a, 101; 1819a, 100, 382–383.—Baird, 1853a, 52.—Braun, 1892a, 642; 1901, 561, 566; 1902b, 37, 46, 47, 48, 49 (includes Dies., 1850a, 349, 412; Ols., 1887, 14; Stoess., 1892, 11) (to *Plagiorchis*).—Cobbold, 1860a, 13.—Dies., 1850a, 349 (includes *D. hirundinum* Zed.; *Fasc. hirundinis* Frœlich); 1858d, 260 (larva = *Cerc. (Acanthocephala) virgula*); 1858e, 337 (adult in *Cypselus apus*, *Hirundo riparia*, *H. rustica*, *H. urbica*, *Caprimulgus europæus*; larva in *Valvata piscinalis*; *Paludina impura*).—Duj., 1845a, 412–413.—Erc., 1881e, 23; 1882a, 259.—Fil., 1855b, 8, 9.—Giebel, 1857, 266.—Harz, 1881c, 4, 7.—Kowal., 1896d, (3), 253 (in *Hirundo rustica*).—Linst., 1901, 195–197, pl. 9, fig. 24.—Looes, 1899b, 557.—Luehe, 1899, 532.—Moul., 1856a, 43 (des *Hirondelles*). 152, 163.—Mont., 1893, 95.—Olfers, 1816, 44.—Ols., 1876, 14.—Pag., 1857, 53.—Par., 1896, 2.—Stoess., 1892, 13.—Walter, 1892, 250.—Wolffhuegel, 1900, 9, 18.—Also reported for *Chelidon rustica*, *C. urbica*, *Cotyle riparia*, *Drusus trifidus* McLach.
- magnum* Bassi, 1875b, 497–515, pls. 1–3, figs. 1–10, 1–7, 1–3 [in Hirsch; *Mandria*].—Braun, 1893a, 875, 877, 882, 910; 1897a, 1468.—Curtice, 1887, Nov., 390–392.—Dinwiddie, 1892, 4.—Erc., 1881e, 90; 1882a, 326.—Francis, 1894, 450.—Gamb., 1896a, 4, 68.—Huber, 1896a, 576.—Leuck., 1982b, 797–799; 1893c, 435–436.—Looes, 1899b, 556.—Par., 1894, 50.—Sons., 1889, 275 (to *Fasc.*).—Stiles, 1892c, 148; 1892g; 1892m, 464–466; 1894c; 1898a, 49.—Stoess., 1892, 9 (syn. of *Cladocœlium giganteum*).—Ward, 1895, 253 (to *Fasc.*), 332 (in *Bos taurus*), 338 (in *Equus caballus*); 1903, 866 (to *Fasc.*).
- marculentum* Braun, 1901g, 948 (in *Emberiza citronella*; *Vien. Mus. no. 620*); 1902b, 148–150, fig. 91.
- margaritarum* Dubois, 1901, 603–605 (in *Mytilus edulis*); 1901, 149–150.—Seurat, 1901, 700–702.
- marginatum* Rud., 1819a, 680 (in *Ardea* sp.; Brazil, May).—Braun, 1892a, 578, 663, 734; 1899g, 485, 486, 490, to *Clinost.*; 1900h, 18, 25, 26, 27, 28, 29, 30, 45; 1900, 141; 1901, 561.—Dies., 1850a, 354 (syn. of *D. dimorphum*).—Duj., 1845a, 446.—Looes, 1899b, 650.—Mont., 1893, 155.—Stoess., 1892, 175 (to *Mesogonimus*).—Wagener, 1852, 555–557.
- marginatum* Mol., 1858, 128–129 (in *Anas crecca*; Batavii); 1861, 198–199, pl. 1, figs. 13–14.—Cobbold, 1860a, 10.—Dies., 1858e, 333 (in *A. cr.*; Patavii).—Stoess., 1892, 149.
- mcconnelli* McConnell, 1878a, 406, for *macconnelli*.

## DISTOMA—Continued.

- medians* Olls., 1876, 25–26, pl. 4, figs. 59–63 (in *Bufo vulgaris*).—Braun, 1892a, 583, 642, 721, 736, 737.—Looss, 1893b, 811; 1894a, 2, 82, 83, 84, 91 (c. p., syn. of *D. clavigerum*), 92, 95, 96, 99, 105–108, 119, 126, 137, 158, 159, 167, 173, 181, 182, 191, 192, 197, 210, 211, 212, 214, 219, 221, 230, 256, 264, 273, pl. 2, figs. 36–38, pl. 8, figs. 168, 169; pl. 9, figs. 187–188 (in *Bufo calamita*: *B. variabilis*; *B. vulgaris*; *Rana esculenta*; *R. temporaria*); 1894, 5, 50; 1896b, 91, 94, 96; 1898, 461; 1899b, 616, 622, 623 (to *Pleurogenes*).—Luehe, 1900, 558; 1901, 169.—Mont., 1893, 86, 95, 102; 1896, 151, 152.—Mueh., 1898, 23.—Nickerson, 1900, 813, 814.—Staff., 1900, 412, 414; 1902, 724.—Stoss., 1889, 70.
- medians* Olls. of Staff., 1900, Aug. 30, 412.—Staff., 1905, Apr. 11, 683=*D. arcanum* Nickerson, 1900, Oct., to *Loxogenes* as type.
- megacotyle* Dies., 1850a, 379 (negacotyle), 659, *D. velella* Fil., renamed (in *Velella spirans*; Naples) (negacotyle).—Cobbold, 1860a, 30.—Linst., 1904a, 14 (in *Stenodus nelma*; Siberia).—Mont., 1893, 123.—Moul., 1856a, 217 (in *Vel. sp.*).
- megalocotyle* Mont., 1893, 52, 53, pl. 8, fig. 124.—Linst., 1903, 354 (megacotyle, misprint).
- megaloon* Linst., 1879, 337–338 (in *Lacerta agilis*).—Stoss., 1895, 231 (in *L. ag.*).
- megastomum* Rud., 1819a, 102, 387 (in *Squalus galeus*; Arimini, May).—Ariola, 1899, 7 (includes *D. soccus* Mol.).—Ben., 1858a, 1861a, 170; 1870, 6, pl. 4, fig. 7; 1870, 7.—Braun, 1892a, 647, 679, 701, 702, 728, 734, 738, 761, 784, 786, 873; 1893b, 176.—Bremser, 1824, 133.—C'arus, 1884, 129.—Cobbold, 1860a, 24; 1872b, 91; 1879b, 49, 299.—Crep., 1837, 310, 326.—Crety, 1892, 21–24, fig. 1; 1892c, 399; 1892, (92–97); 1893a, 380–382, 383.—Darr, 1902, 667.—Dies., 1850a, 357 (includes Rud., 1819a, 102, 387; Eisenhardt, 145; Bremser, 1824c, pl. 9, figs. 5–8; Kuhn, 1829, 463, pl. 11, figs. 4–5; Duj., 1845a, 471); 1858, 339 (in *Scyllium catulus*).—Duj., 1845a, 471.—Eisenhardt, —.—Jacoby, 1899c, 1900, 16–24, figs. 13–16.—Jägers., 1900b, 68–74, figs. 1–4 (copulatory organs).—Kowal., 1895g, 20 (60).—Kroyer, 1852–53a, 851 (in *Galeus vulgaris*).—Kuhn, 1829, 463.—Looss, 1894a, 128; 1899b, 570 (thinks that this form may belong to *Azygia*); 1902m, 829, 830 (type of *Ptychogonimus*).—Linst., 1903, 354.—Luehe, 1900, 490.—Mont., 1888a, 64, 72; 1890, 426; 1892, Oct. 7, 189; 1893, 6, 7, 33, 34, 35, 53, 71, 77, 78, 79, 82, 95, 102, 192, 193, pl. 1, fig. 2, pl. 7, figs. 105–109, pl. 8, figs. 115, 116, 133–135.—Odh., 1906, 64 (includes *D. lymphaticum* Linst.).—Orley, 1885, 218.—Stoss., 1886, 23; 1890, 43; 1898, 38.—Villot, 1878, 2, 9, 11, 13 (in *Carcharias*; *Scyllium catulus*; *Galeus canis*).—Wagener, 1860, 167.—Wedl, 155, 383, pl. 2a, fig. 16.—Will.-Suhm, 1870, 5–7; 1871, 179–181, pl. 11, figs. 4–5.—Also reported for *Squalus mustelus*, *Mustelus vulgaris*.
- megastomum* Grobben, 1878a, 89 (in *Portunus depurator*).
- megastomum leporis* Kuhn, 1829c; 1830a; 1830b.—Stiles & Hass., 1905a, 941.
- megacotyle* Linst., 1903, 354, for *megacotyle*.
- megnini* Poir., 1885, 4, 5, 14–15, 22, 25, 31, 32, 33, 39, 41, 45, 49, 51, 54, 64, 65, 66, 70, 76, 88, 94, 109, 112, 116, 117, 118, 120, 129, 130, 133, 144, 150, pl. 23, fig. 8, pl. 29, fig. 2, pl. 31, figs. 5–7, pl. 34 (in a fish).—Braun, 1892a, 569, 597, 603, 608, 623, 624, 625, 631, 666, 671, 673, 674, 677, 690, 712, 717, 724, 731, 733.—Buttel-Reepen, 1900a, 590; 1902, 184, 192, 202.—Darr, 1902, 683, 687, 693.—Jackson, 1888, 644.—Lander, 1904a, 7.—Looss, 1894a, 145 (megninii).—Mont., 1893 (megninii), 23, 27, 29, 30, 32, 33, 34, 36, 37, 40, 47, 48, 64, 80, 81, 93, 94, 95, 104, 113, 119, 125, 126, 127, 134, 135 (megninii), 102, 106, 107; 1896, 154 (megninii).—Wolf, 1903, 619, 621.
- megninii* Mont., 1893, 102, for *megnini*.
- melis* (Gœze, 1782) Zed., 1800a, 164, 194–196.—Dies., 1850a, 382 (syn. of *D. trigonocephalum*).—Rud., 1809a, 415 (syn. of *D. trig.*).
- mentolatum* Mueh., 1898, 19, for *mentulatum*.
- mentulatum* Rud., 1819a, 103, 388–389, 681 (in *Coluber natrix*, *Lacerta agilis*, *L. maculata*; Berlin, Arimini, Apr. and July).—Braun, 1891, 99; 1892a, 766, 780, 784, 785; 1901b, 15.—Cobbold, 1860a, 19.—Dies., 1850a, 355 (includes *D. colubri natrix* intestinale Rud., *D. colubri tessellati* Rud.; *D. lacertae* Rud.); 1858e, 339 (in *Tropidonotus natrix*).—Duj., 1845a, 415, to (*Brachylaimus*).—Erc., 1881c, 73, 74, 75, 76, 77, 78, 79, 82, 89 (in *Tropidonotus natrix*); 1882a, 309, 310, 311, 312, 313, 314, 315, 318, 325.—Holstein-Beck.—Jackson, 1888, 650 (rep. system).—Kampmann, 1894b, 451, 454, 456, 457, 462, pl. 20, figs. 6–9.—Linst., 1879, 184.—Looss, 1899b (= *Lepoderma*).—Luehe, 1899,

## DISTOMA—Continued.

- 529 (of Erc., syn. of *D. nematoides*), 530; 1901, 487.—Mol., 1859, 831, 837–838 (in *Lacerta agilis*, Berlin; *Podarcis merremii*, Ariminii; *P. muralis*, Padua; *Tropidonotus natrix*, Berlin; *T. tessellatus*).—Mont., 1893, 187.—Mueh., 1898, v. 1 (1), 10, 19 (mentolatum), 29, 92–93, fig. 13.—Par., 1894, 147, to (*Brachylaimus*) (in *Lacerta merremii*; Rimini).—Schauinsland, 1882, 496.—Sons., 1893, 186.—Stoss., 1889, 61; 1895, 217–218; 1898, 33–34; 1904, 2.—Volz, 1899, 235, 236, 238.—Wedl, 1855, 401–409, pl. 2 b, fig. 9.—Reported for *Lacerta muralis*, *L. viridis*, *L. vivipara*, *Rana temporaria*.
- mentulatum* Rud., of Erc., according to Luehe, 1899, 529, is *D. nematoides*.
- mergi* Rud., 1819a, 121 (in *Mergus albellus*; C. E. V.).—Dies., 1850a, 391 (renamed *D. baculus*).
- merlangi carbonarii* Dies., 1858e, 341, renamed *D. anonymum*, based on Bellingham 1844a, 428.
- merlangi vulgaris* Dies., 1858e, 341, renamed *D. anonymum*, based on Bellingham, 1844a, 428.
- merlangorum* Dies., 1855, 64 footnote 15, based on Bellingham, 1844a.
- meropis* Rud., 1819a, 120 (in *Merops apiaster*; C. E. V.).—Braun, 1901, 568; 1902b, 51, 52, 54 (includes Par., 1896, 5, as syn. of *Plagiorchis triangularis*).—Dies., 1850a, 351 (renamed *D. triangulare*).—Duj., 1845a, 444.—Looss, 1899b, 531, 532, 725.—Par., 1896, 5–7 to (*Brachylaimus*), fig. 2a.—Stiles, 1901, 172.—Stoss., 1892, 186.
- mesosternum* Linst., 1873, 101, see *mesostomum*.
- mesostomum* (Rud., 1803) Rud., 1809a, 387–388 (in *Turdus iliacus*); 1819a, 104.—Braun, 1901, 561, 566–567; 1902b, 116, 117, 126–129, fig. 76 (includes Dies., 1850a, 361; Stoss., 1890, 5; 1896, 128; 1892, 7; 1898, 33).—Cobbold, 1860a, 14.—Dies., 1850a, 361 (includes *D. turdi*) (in *Turdus iliacus*; Greifswald; *Pyrrhula vulgaris*, *Fringilla coccythraustes*, *C. chloris*).—Linst., 1873, 101 (*mesosternum*).—Mueh., 1898, 16.—Olfers, 1816, 44.—Stoss., 1890, 43; 1892; 149 (*D. loxig*, 1819); 1896, 128; 1898, 33.—Wolffhugel, 1900, 9, 45, 46.—Also reported for *Coccythraustes vulgaris*, *Columba livia*, *Merula vulgaris*.
- metacus* Braun, 1900f, 389 (in *Vespertilio lasiopterus*; *V. noctua*; Vien. Mus.); 1901b, 31.
- micracanthum* Stoss., 1889, 29, pl. 14, fig. 58 (in *Pagellus erythrinus*; Trieste); 1898, 48.—Barbagallo & Drago, 1903, 410, to (*Dicrocoelium*) (in *Pagellus erythrinus*; Catania).—Braun, 1892a, 583, 720.—Mont., 1893, 86, 95, 102.
- microcephalum* Baird, 1853a, 58, pl. 2, fig. 2 (in *Acanthias vulgaris*; Falmouth Harbor); 1853, 22; 1855, 73–74.—Ariola, 1899, 7 (syn. of *D. veliporum* Crep.).—Braun, 1893a, 873.—Cobbold, 1860a, 24; 1886, 52.—Dies., 1855, 64; 1858e, 335 (in *Acan. vulg.*).—Linst., 1903, 354 (syn. of *D. veliporum*).—Lopez, 1888a, 137.—Mont., 1888a (*microcephalum*); 1889, 132–134; 1889, 322 (= *D. veliporum* Crep.); 1893, 52.—Stoss., 1886, 52.
- microcephalum* Crep., 1837, 311; 1849, 64 (in *Corvus cornix*).
- micrococcum* Rud., 1819a, 101, 383–384 (in *Glareola austriaca*; Arimini, April).—Braun, 1901, 561, 564, 567; 1902b, 41, 49, 62 to *Phaneropsolus*, 63, 64 (thinks identical with *Phaneropsolus sigmoides*), 155.—Cobbold, 1860a, 13.—Dies., 1850a, 351.—Duj., 1845a, 447.—Linst., 1887, 104.—Looss, 1902m, 823.—Stoss., 1892, 150.
- microcotyle* Dies., 1858e, 340 (*D. pleuronectis maximi* Bellingham, 1844a, 428) (in *Rhombus maximus*; Hibernia).—Cobbold, 1860a, 25.—Stoss., 1886, 52.
- micropharyngium* Luehe, 1898g, 623–624, 625 (in flamingo; Berberei); 1899, 537.—Jagers., 1898, 16; 1900, 738.—Looss, 1899b, 619.—Odhn., 1900, 12, 13, 17.
- microphylla* Ben., 1870, 1871a, 70, pl. 4, fig. 2 (in *Osmerus eperlanus*; Belgium).—Braun, 1889a, 369.—Linst., 1887.—Stoss., 1886, 52.
- microporum* Mont., 1889, 322, pl. 33, fig. 1 (in *Plagyodus ferox*; Madeira); 1891, 520 (*Plag. ferox*).—Looss, 1899b (to *Hemiusurus*).
- microsoma* Rud., 1819a, 109, 401 (in *Perca marina*; Naples, June).—Carus, 1884, 125.—Cobbold, 1860a, 27.—Duj., 1845a, 456.—Dies., 1850a, 370 (*microsommum*).—Sons., 1890, 141 (in *Serranus scriba*).—Stoss., 1886, 52.
- microsommum* Dies., 1850a, 370 (for *microsoma* Rudolphi).
- microstomum* Rud., 1809a, 50, 388–389 (in *Pleuronectes solea*; Paris, May); 1819a, 104.—Cobbold, 1860a, 26.—Dies., 1850a, 362.—Duj., 1845a, 467.—Kroyer,

## DISTOMA—Continued.

- 1843-45a, 488 (in *Solea vulgaris*).—Mont., 1893, 193.—Olfers, 1816, 46.—Risso, 1826, 262.—Stoss., 1886, 53.—Wagener, 1860, 187.
- miescheri* Zschokke, 1890, 764, 765, 767, 781-784, pl. 11, fig. 2 (in *Trutta salar*) to (*Cladocellium*).—Braun, 1892a, 642, 699, 700, 721, 733, 735.—Jacoby, 1900, 11.—Looss, 1894a, 173, 175; 1899b, 627.—Mont., 1893, 95 (*miescheri*) 153.
- miescherii* Mont., 1893, 153, for *miescheri*.
- migrans* Duj., 1845a, 407-409 (in *Sorex araneus*; *S. leucodon*) (= *Brachylaima advena* renamed, hence type of *Brachylaima*).—Braun, 1892a, 772; 1893a, 831, 864; 1899g, 492; 1901c, 341, 342.—Cobbold, 1860a, 9; 1879b, 296.—Dies., 1850a, 389.—Erc., 1881e, 64; 1882a, 300.—Gamb., 1896a, 71.—Moul., 1856a, 167.—Stiles & Hass., 1898a, 83, 84 (syn. of *Brachylaima advena* Duj.).—Stoss., 1892, 19 (*migras*) (in *Crocidura aranea* at Rennes; *Sorex leucodon*).
- migras* Stoss., 1892, 19, misprint for *migrans*.
- miliaris* Brown, 1881a, 329, misprint for *militare*.
- militare* (Rud., 1803) Rud., 1809a, 421-422 (in *Scolopax arquata*); 1819a, 115, 418.—Bellingham, 1844a, 426.—Ben., 1858a, 1861a, 84-89, 90, 168, 180, 193, 195, 215, 218, 219, 222, pl. 9, figs. 1-11 (includes *Cerc. echinata*; *C. fallax*; *C. pacifica*).—Braun, 1892a, 585, 865.—Chatin, 1880a, 308 (seminal receptacle).—Cobbold, 1879b, 436 to (*Echinost.*).—Crep., 1837, 311, 312, 316, 317.—Dies., 1836, 240; 1850a, 384-385; 1858d, 261; 1858e, 347 (in *Numenius arquatus*).—Duj., 1845a, 429.—Erc., 1881e, 29, 31; 1882a, 265, 267.—Fil., 1854a, 18, 19, 21.—Gamb., 1896a, 72.—Hahn & Lefèvre, 1884a, 516.—Hemp- rich & Ehrenberg.—Hoyle, 1890, 540.—Kowal., 1896d, 253 (3) (in *Limnocryptes gallinula*; *Dublaya*) to (*Echinost.*).—Leuck., 1863a, 456.—Linst., 1873, 106 (larva=*Cerc. echinifera*) (in *Scolopax gallinula*).—Méglin, 1884, 53.—Mont., 1888a, 24.—Moul., 1856a, 190.—Nord., 1832a, 69 (in *Numenius arquatus*).—Olfers, 1816, 46.—Sieb., 1835, 57; 1854, 23.—Sons., 1897, 252.—Stoss., 1892, 163 (to *Echinost.*).—Ward, 1895, 341 (in *Canis familiaris*) (perhaps *D. echinatum*).—Also reported for *Ascolopax gallinago*, *A. gallinula*, *Paludina vivipara*.
- milvi* (Gmelin, 1790) Zed., 1803a, 209-210.—Dies., 1850a, 385 (syn. of *D. echinocephalum* Rud.).—Rud., 1809a, 429 (includes *D. falconis milvi* Rud.); 1819a, 115 (renamed *D. echinocephalum*).
- minima* Ben., 1870, 67 (in *Clupea sprattus*).—Mont., 1891, 498, 514 (minimum).
- minimum* Mont., 1891, 498, 514 (for *minima*).
- minutum* Cobbold, 1859d, 364, pl. 63, figs. 4-5 (in *Hæmatopus ostralegus*); 1860a, 14 (London); 1861, 118.—Braun, 1892a, 579; 1902b, 155.—Mont., 1893, 83.—Mueller, 1897, 18, pl. 3, fig. 1.—Nicoll, 1906, 514 (in *Hiem. ostr.*).—Stoss., 1892, 184.
- mistroides* (Mont., 1896 [144 (*D. constrictum* Leared, 1862 [nec Mehlis, 1842] renamed)] Braun, 1899b, 715.
- [*modestum* Sluiter, 1898, (a tunicate).]
- moleculum* Linst., 1880, 51-52 (in *Rallus pygmæus*); 1887, 104.—Braun, 1892a, 579, 586; 1902b, 157.—Stoss., 1892, 150.
- molini* Polonio, 1859, see Par., 1894, 148 (*molinii*) (in *Rana esculenta*; Padova).
- molini* Par., 1894, 148 (for *D. molini*).
- molle* (Leidy, 1856), Stiles & Hass., 1894h, 162-163, fig. 2; 1895a, 737-741, pl. 3, figs. 1-3 to (*Polyorchis*); 1895b, 316; 1895c, 700-701; 1896d, 426.—Braun, 1902b, 23.—Mont., 1896, 165, 166 to (*Polyorchis*).
- mollissimum* Levin., 1881a, 59-61, pl. 2, fig. 4 (in *Cottus scorpius*; Egedesminde).—Braun, 1892a, 699, 711; 1893a, 911.—Johnstone, 1907, 185-186, fig. 16 (in *Belone vulgaris*; Foulney Island).—Odh., 1905, 356, 357 (syn. of *Lecithaster gibbosus* (Rud.)), 359 (of Stoss., 1889; syn. of *Lecithaster confusus* Odh.).—Stoss., 1886, 11 (in *Cott. scorp.*; Greenland); 1889, 23 (in *Alausa finta*; Trieste).—Also reported for *Alosa vulgaris*.
- monas* Rud., 1819a, 679 (in *Amphisbæna* sp.; Brazil).—Cobbold, 1860a, 19 (in *Siphonops annulatus*; Brazil).—Dies., 1850a, 350.—Duj., 1845a, 453 to (*Brachylaimus*).—Par., 1896, 12-13, fig. 5 to (*Brachylaimus*).—Stoss., 1889, 71.
- monorchis* Stoss., 1890, 40-41 (2-3), pl. 15, fig. 62 (in *Cantharus orbicularis*; Trieste).—Braun, 1892a, 579, 581, 698, 720, 721, 728, 729; 1895b, 129.—Jacoby, 1900,



## DISTOMA—Continued.

- 23.—Looss, 1894a, 178, 218; 1899b, 599.—Mont., 1893, 82, 86, 87, 95, 149, 151 to [(Monorchis)].—Stiles & Hass., 1898a, 91, 98 (type of Monorchis).
- monticellii* Lint., 1898c, 518–520, pl. 44, figs. 2–8 (in *Remora remora*; Woods Holl, Mass., July, Aug.); 1901, 415, 418, 449, 451, 473, 482 (in *Rem. rem.*; *Paralichthys dentatus*, *Pomatomus saltatrix*); 1905, 327, 328, 334, 354, 360, 363, 364, 371, 373, 374, 376, 381, 386, 388, 393, 396, 399, 405, 411, 413, figs. 154, 155, 158 (in *Bairdiella chrysura*, *Centropristes striatus*, *Coryphæna equisetis*, *C. hippurus*, *Cynoscion nebulosus*, *Lagodon rhomboides*, *Leiostomus xanthurus*, *Menidia menidia*, *Menticirrhus americanus*, *Micropogon undulatus*, *Paralichthys albiguttus*, *P. dentatus*, *Pomatomus saltatrix*, *Prionotus tribulus*, *Rachycentron canadus*, *Scomberomorus regalis*, *Seriola lalandi*, *Synodus foetens*, *Trachinotus carolinus*).—Johnston, 1901, 337.—Looss, 1899b (to *Hemiurus*).
- mormyri* Stoss., 1885, 160, pl. 6, fig. 26 (in *Pagellus mormyrus*; Trieste, Feb.); 1886, 26; 1890, 41; 1898, 36.—Barbagallo & Drago, 1903, 410 to (*Brachylaimus*) (in *Pagellus mormyrus*).—Braun, 1892a, 721, 736, 737.—Lint., 1900, 290.—Looss, 1899b, 571 (judging from Stoss.'s description, this form belongs to the *Creadiinae*, perhaps to *Creadium*).—Mont., 1893, 94.
- mormyris* Hausmann, 1897b, 28 (for *mormyri*).
- motellæ* Ben., 1870, 63 (in *Motella mustela*).
- [*mucosum* v. Dr. (a tunicate).]
- mühlingi* Jägers., 1899a, 7 (in *Larus ridibundus*) (lingua of Mueh. renamed as n. sp.; apparently Koenigsberg).—Looss, 1899b, 586 (*muehlingi*) (pro tem. to *Tocotrema*).
- mülleri* Levin., 1881a, 56–58, pl. 2, fig. 3 (in *Cottus scorpius*, *Gadus ovak*; *Egedesminde*) [spelled also *müllerii*, *muellerii*].—Braun, 1892a, 643 (*muelleri*). 673, 720, 721, 735.—Looss, 1896b, 136; 1899b, 643 (type of *Progonus*).—Mont., 1888a, 34, 37 (*mullerii*); 1893, 43, 61 (*müllerii*), 82 (*muelleri*), 85, 86, 95, 182, 183.—Odh., 1905, 365, 366 (*müllerii* to *Genarches*).—Stoss., 1886, 21, 58, to (*Brachylaimus*).
- mullerii* see *mülleri*.
- mulli* Stoss., 1883, 114–115 (in *mullini*; Trieste, January); 1886, 39 (in *Mullus barbatus*; Trieste); 1898, 48.—Carus, 1884, 127.
- muris* Erc., 1882c, 103 [pl. 3, figs. 16–21].—Hoyle, 1890, 538 (refers to Erc.'s experiments with *Cerc. armata*).
- musculi* Rud., 1819a, 119 (in *Mus musculus*; Cat. Vien.).—Braun, 1901c, 340 (of Dies., 1850a, Duj., 1845a) (syn. of *D. recurvum* Duj., 1845).—Dies., 1850a, 395.—Duj., 1845a, 441.—Stoss., 1892, 35 (in *Mus musculus*; Vienna).
- musculorum* Braun, 1893a, 871 [*D. musculorum* *perce* Waldenburg, renamed].
- musculorum perce* Waldenburg, 1860, 16 (in *Perca fluviatilis*).
- musculorum suis* Duncker, 1896a, 279–282, 8 figs.; 1897a, 197–198; (1881a, 23–25, figs. 1–6, 55, 159–160, 1 fig.; 1881d, 141; 1884a, 39–40, figs. 1–6).—Stiles, 1898a, 28. See *Agamodist. suis*.
- musculum* Brett, 1880a, 453; 1881a, 139–142 (in *Ovis aries*).—[=*Sarcosporidia*?]
- mutabile* Mol., 1859, 833–834 (in *Podarcis muralis*; Padua).—Braun, 1893a, 875; 1901, 563.—Hollack, 1902a, 869.—Klein, 1905, 20; 1905, 78.—Looss, 1902m, 818, 819, 823, 839.—Luehe, 1900, 563–566; 1901, 172, 173; 1901, 487.—Odh., 1902, 41, 42.—Rizzo, 1902, 27 (to *Anchitrema*).—Sons., 1893, 185, in *Podarcis muralis* Wagl.—Stoss., 1895, 224.
- mystacidis* Linst., 1896i, 379, larva (in *Mystacides nigra*).
- naia* Duj., 1845a, 387, for *naja*.
- naja* Rud., 1819a, 99, 377–378, 589 (in *Coluber natrix*; Berlin) (includes *Fasc. longicollis* Abildg., 1788, 34, pl. 151, figs. A 1–2, from *Coluber natrix* renamed and *D. colubri natrix pulmonale*).—Braun, 1891, 99; 1892a, 766, 780, 784, 785; 1893a, 876.—Cobbold, 1860a, 18 (*D. longicollis*).—Crep., 1837, 326.—Dies., 1850a, 348.—Duj., 1845a, 395 to (*Dicrocoelium*).—Erc., 1881e, 79, 80, 81, 82; 1882a, 315, 316, 317, 318.—Giebel, 1857, 266.—Kampmann, 1894b, 454, 457.—Lamouroux, 1824a, 562.—Looss, 1899b, 603–604 (type of *Macrodera*); 1902, 732 (type of *Saphedera*).—Luehe, 1899, 533.—Mont., 1893, 187.—Mueh., 1898, 29.—Par., 1894, 147 (in *Natrix torquata*; Padova).—Rizzo, 1902, 28.—Schauinsland, 1882, 496.—Sons., 1893, 185 (*naia*, in *Tripidonotus natrix*).—Stoss., 1895, 221–222.—Volz, 1899, 234, 237.—Also reported for *Zamenis viridiflavus*.

## DISTOMA—Continued.

- nanum* (Rud., 1802) Rud., 1809a, 376–377; 1819a, 101.—Braun, 1893a, 874; 1901, 561, 567; 1902b, 47, 48, 49 (to *Plagiorchis*). 155.—Cobbold, 1860a, 12.—Dies., 1850a, 350.—Duj., 1845a, 446.—Linst., 1887, 104.—Olfers, 1816, 44.—Stoss., 1892, 184; 1892, 41; 1904, 2.
- nardoi* Polonio, 1859, see Par., 1894, 627 (in *Lacerta muralis*; Padova).
- nassæ mutabilis* Fil., 1855b, 22.
- negacotyle* Dies., 1850a, 379, for *megacotyle*.
- neglectum* Linst., 1887d, 101–102, pl. 2, fig. 3 (in *Rana temporaria*).—Braun, 1892a, 699, 721, 736, 737; 1893a, 881.—Kowal., 1894, 3; 1902d (9), 27 (syn. of *Pleurogenes claviger* Rud.).—Looss, 1894a, 82, 83, 84, 91, 92 (syn. of *D. clavigerum*); 1896b, 94, 95; 1899b, 617 (= *clavigerum* = type of *Pleurogenes*).—Mont., 1893, 83, 86.—Stoss., 1889, 65.
- nematoides* Mueh., 1898, 18 (in *Tropidonotus natrix*; East Prussia); 1898, 11, 29, 93–94, fig. 22.—Braun, 1899, 631; 1901b, 13, 15, 16.—Looss, 1899b, 567–568 (identical with *D. ercolanii*).—Luehe, 1899, 528, 529, 530.—Stoss., 1904, 5.—Volz, 1899, 236, 238.—Also reported for *Lacerta agilis*.
- nepbrocephalum* Dies., 1850a, 391 (in *Turdus saxatilis*; M. C. V., spring and summer) (*D. turdi* renamed).—Stoss., 1892, 174, to *Echinost.*
- neuronaia monroi* Maddox, 1867, 97, 98, pl. 8.—Cobbold, 1872b, 92 (*neuronaia monroi*); 1879b, 52.
- neuronaia monroi* Cobbold, 1872b, 92 (for *neuronaia monroi*).
- nigrescens* Ols., 1876, 19–20, pl. 3, fig. 41 (in *Lophius piscatorius*).—Braun, 1892a, 587; 1893a, 872, 873.—Stoss., 1886, 53 (in *Loph. pisc.*, *Molva vulgaris*).—Also reported for *Hippoglossus maximus*, *Lota molva*.
- nigroflavum* Rud., 1819a, 118–119, 425–427 (in *Orthogoriscus mola*; Naples, July) to (*Echinost.*).—Bellingham, 1844a, 427.—Ben., 1855c, 2, 520; 1856, 84; 1858a, 1861a, 111.—Bettend., 1897a, 17; 1897, 321.—Brand., 1898a, 209 (17).—Braun, 1892a, 578, 684, 687; 1893a, 878.—Carus, 1884, 126.—Cobbold, 1860a, 29.—Crep., 1837, 310, 311.—Deslongchamps, 1829, 238 (*nigrostavum*).—Dies., 1850a, 394 (includes *Schisturus paradoxus*); 1858e, 353 (in *Orthag. mola*).—Drummond, —, 240.—Duj., 1845a, 469.—Kerbert, 1881a, 547.—Knoch, 1894a, 11, 12.—Kroyer, 1852–53a, 745 (in *Orthag. mola*).—Lint., 1898, 530–531, pl. 48, figs. 8–11, pl. 49, figs. 1–2; 1900, 282; 1901, 415, 422, 466 (in *Mola mola*); 1905, 328, 334, 374 (in *Coryphæna equisetia*).—Looss, 1894a, 145, 165; 1899b, 528, 631; 1902m, 721, 764, 765, 778.—Luehe, 1900, 487.—Mont., 1888a, 47; 1893, 13, 22, 23, 29, 30, 32, 40, 46, 47, 64, 65, 66, 67, 68, 80, 81, 83, 84, 93, 94, 95, 96, 102, 108, 113, 115, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 169, pl. 1, fig. 11, pl. 3, fig. 23, pl. 4, 38–42; 1891, 110; 1899, 103.—Ols., 1868, 25.—Par., 1887, 333–334.—Risso, 1826, 262.—Sons., 1890, 140–141 (in *Orthag. mola*); 1891, 265.—Stiles, 1901, 195, 196.—Stiles & Hase., 1898a, 92, 93 (? includes *Schisturus paradoxus*).—Stoss., 1886, 40.—Wagener, 1860, 174.—Ziegler, 1883, 552.
- nigrostavum* Deslongchamps, 1829, 238; misprint for *nigroflavum*.
- nigrovenosum* Bellingham, 1844a, 429.—Braun, 1893a, 873; 1900, 233; 1901b, 37.—Dies., 1858e, 343 (in *Tropidonotus natrix*; England).—Looss, 1894a, 219; 1902m, 504, 820, 821, 822, 831.—Luehe, 1899, 533, 534, 535 (thinks this is a *Lecithodendrium*); 1900, 561–562.—Mont., 1893, 24, 32, 33, 34, 40, 41, 42, 43, 82, 83, 84, 85, 88, 89, 91, 95, 98, 102, 105, 106, 107, 113, 116, 117, 185–189, pl. 6, figs. 88–90, pl. 8, figs. 117–120, 132; 1896, 151, 152, 154.—Mueh., 1898, 29.—Odhn., 1902, 42.—Rizzo, 1902, 28 (to *Lecithodendrium*).—Stoss., 1895, 222–223.—Volz, 1899, 235, 236, 237.—West, 1896, 323.
- nigrovenosum natrix torquatzæ* Dies., 1855, 64, based on Bellingham, 1844.
- nigrum* Linst., 1883, 307 (in *Corvus cornix*); 1886, 31.—Stoss., 1892, 185.
- nitens* Lint., 1898c, 534–535, pl. 51, figs. 5–6, pl. 52, fig. 1 (in *Tylosurus caribbæus*; Woods Holl, July); 1901, 415, 422 (in *Tyl. acus*).—Looss, 1899b, 710.
- [*nitidum* Sluiter, 1898, 17 (a tunicate).]
- noctulæ* Rud., 1819a, 119 (in *Vespertilio noctula*; C. E. V.).—Dies., 1850a, 349 (syn. of *D. chilostomum* Mehlis).—Kolenati, 1857, 11.
- nodulosum* (Froelich, 1791) Zed., 1800a, 164, 190–192; 1803a, 219.—Baird, 1853a, 56–57.—Ben., 1858a, 1861a, 100, 171, 177, 181, 191, 203.—Braun, 1892a, 575, 584, 587, 642, 654, 699, 747, 768, 772, 780, 784, 785, 786; 1893a, 865, 879, 911; 1900, 231, 232.—Bremser, 1824, 134; 1824, pl. 10, figs. 1–3.—Crep., 1829,

## DISTOMA—Continued.

- 67–69; 1837, 323, 324, 326, 327, 328, 329; 1839, 289.—Dies., 1836, 248; 1850a, 380–381 (syns. *Fasc. luciopercae*, *F. percae cernuae* Mueller, *F. percina* Schrank, *F. nodulosa* Froelich, *D. campanula* Duj., *D. luciopercae* Zed., *Planaria lagena* Braun); (includes *Crep.*, 1829a, 289; Mueller, 1836, 233, 238; Sieb., 1836, 217); 1858d, 282; 1858e, 343.—Duj., 1845a, 434–435 to (*Crossodera*).—Erc., 1881e, 56; 1882a, 292.—Fil., 1854a, 21; 1857c, 14 to (*Crossodera*).—Fraip., 1880c, 416.—Gamb., 1896a, 72.—Harz, 1881c, 5.—Hausmann, 1897b, 4, 6, 8, 14, 18, 20, 22, 27, 35 (in *Perca fluviatilis*).—Jackson, 1888, 652 (in *Acerina cernua*).—Kowal., 1894, 2; 1894, 222.—Kroyer, 1838–40a, 20, 41, 54; 1846–53a, 333; 1852–53a, 1221 (in *Acerina vulgaris*, *Barbus fluviatilis*, *Esox lucius*, *Lucioperca sandra*, *Perca fluviatilis*).—Lint., 1892c, 69, 70.—Linst., 1873a, 1–7, pl. 1, figs. 1–11 (development); 1873b, 328–331; 1873c, 230–231; 1873d, 345–347; 1873e, 101.—Looss, 1894a, 2, 33–41, 47, 49, 50, 123, 124, 133, 136, 150, 161, 164, 181, 191, 192, 197, 199, 208, 215, 216, 264, 268, pl. 1, figs. 8–10, pl. 5, figs. 92–94 (syns. *Fasc. luciopercae*, *F. percae cernuae*, *F. percina*, *Plan. lagena*) (in *Acerina cernua*, *Aspro vulgaris*, *A. zingel*, *Esox lucius*, *Lucioperca sandra*, *Perca fluviatilis*); 1902m, 452.—Mehlis, 1831, 184–185.—Much., 1898, 22.—Moul., 1856a, 19, 24, 46, 47, 99.—Nord., 1832a, 88; 1840, 617, 621 (to *Fasc.*).—Olfers, 1816, 46.—Ols., 1876, 23.—Rud., 1809a, 366, 410–413; 1819a, 113.—Schauinsland, 1882, 496, 497.—Sieb., 1835, 66, 69, 70, 73, 82; 1836, 217, 233, 235, 236, 237, 238, pl. 10, fig. 1; 1850, 645.—Sramek, 1901, 95, 106, 107, fig. 60 (syns. *Fasc. luciopercae* Muell., *F. percae cernuae* Muell., *D. luciopercae* Zed.) (in *Acerina cernua*, *Perca fluviatilis*).—Staff., 1902, 481 (to *Bunodera*) (in *Salvelinus fontinalis*).—Stiles & Haas., 1898a, 84, 85, 96 (type of *Bunodera*) (includes *Fasciola luciopercae* Mueller).—Wagener, 1857, 26, 27, pl. 21, figs. 3–7; 1860, 165.—Wright, 1884, 429, 430.—Reported also for *Abramis vimba*, *Acipenser rubicundus*, *Barbus communis*, *Bithynia tentaculata*; *Cyprinus*).
- nodulosum* partim Dies., 1850a, 380; 1858e, 354 (in *Esox lucius*) (syn. of *D. (Crossodera) campanula* Duj.).
- [*non coronata* *Crep.*, 1837a, 326, as name of a group of distomes.]
- notidobia* Linst., 1896i, 379, a larva in *Notidobia ciliaris* and *Sialis lutaria* “aus der Gärte.”
- obesa* Ben., 1870, 33 (*Cottus scorpius*).
- obesum* Dies., 1850a, 361–362 (in *Leporinus friderici*, *Salminus brevidens*, *Xiphostoma cuvieri*; Brazil); 1855, 67, pl. 3, figs. 11–13; 1858e, 341.—Braun, 1892a, 579; 1893a, 872, 875.—Cobbold, 1860a, 24; 1879b, 458.—Odh., 1902, 152.—Stoss., 1886, 53.
- oblongum* (Cobbold, 1858) Braun, 1891, 99; 1892a, 579, 583, 635, 636, 674, 692; 1893a, 875, 894, 910; 1893, 354; 1900g, 250, to *Campula*.—Mont., 1893, 44.—Stiles, 1895l, 219–220, pl. 7, figs. 2, 3; 1895m.—Stoss., 1892, 16–17 (includes *Campula oblonga*, *D. campula*, *D. campanula*) (in *Phocæna communis*, *Platanista gangeticum*).
- obovatum* Mol., 1858, 288–289 (in *Chrysophris aurata*; Patavii); 1861, 201–202.—Braun, 1892a, 736, 737.—Carus, 1884, 130.—Dies., 1859c, 428.—Lint., 1900, 290.—Looss, 1899b, 571 (thinks this form, judging from the description given by Stoss., 1890, belongs to *Creadiinae* possibly to *Creadium*).—Mont., 1893, 94.—Stoss., 1885, 159; 1886, 27; 1889, 26; 1898, 35–36; 1901, (7) 95 (to *Allocreadium*).
- obtusum* Looss, 1896b, 78–81, 83, 85, 87, 88, 89, pl. 6, figs. 53–56 (in *cameleon*, Alexandria, Egypt); 1899b, 547 to *Lecithodendrium*.—Luehe, 1899, 534; 1900, 562.—Stiles, 1901, 200.
- “*ocreatum* Zed.” i. e. (Geze, 1782) Luehe, 1899k, 538 (= *Dist. lorum* Duj.) type of *Itygonimus*.—Looss, 1900, 607.
- ocreatum* (Rud., 1802) Rud., 1809a, 387, 397–398 (*Clupea harengus*; Griefswald) (includes *Leuwenhock*, *Epist.* 97, 47; *Fasc. halecis* Gmelin, 1790a; *Fasc. ocreata* Rud., 1802; *Dist. halecis* Zed., 1803a, 222); 1819a, 107.—Braun, 1892a, 711; 1893a, 853.—Dies., 1850a, 298, 372.—Duj., 1845a, 422–423 to (*Apoblema*).—Kroyer, 1846–53a, 174 (in *Cl. har.*).—Looss, 1899b, 641 (= *D. carolinæ* Stoss.) type of *Pronopyge*.—Mont., 1891, 496, 497, 499, 500, 501, 502, 506, 512; 1891, 16 (to *Apoblema*).—Reported also for *Clupea alosa*, *C. pilchardus*.
- ocreatum* Rud. of Mol., 1858, 289 (in *Clupea alosa*; Padua), 290; 1861, 209–210, pl. 3, fig. 7 (in ———).—Dies., 1859c, 432 (of Mol., p. 289, in *Alausa vulg.*;

## DISTOMA—Continued.

- Padua).—Johnstone, 1907, 177–180, fig. 13 (in *Conger vulgaris*; England).—Linst., 1878a, 269 (syn. of *D. ventricosum* Rud., in *Aloea vulg.*).—Mont., 1891, 497, 498, 499, 500, 501, 520.—Sons., 1891, 259 (syn. of *Dist. ventricosum* Rud.).—Stoss., 1886, 12 (in *Ammodytes lancea*, *A. tobianus* [see next entry sub Odhner]; *Clupea harengus*, *Trutta salar*).—Also reported for *Aloea finta*, ? *A. sardina*.
- ocreatum* Mol., of Ols., 1868, 48, pl. 5, figs. 96–98 (in *Ammodytes lancea*, *A. tobianus*; ———).—Braun, 1891d, 423.—Lander, 1904a, 1, syn. of *Hemimurus crenatus* (Rud.).—Looss, 1896b, 125; 1899b, 640, 641 (to *Hemimurus*).—Luehe, 1901n, 399, 400 (syn. of *Hemimurus crenatus* Rud.).—Mont., 1891, 501, 505.—Odhner, 1905, 352 (syn. of *Brachyphallus crenatus*) (fig. 98 from *Ammodytes lancea*, *A. tobianus*, syn. of *Hem. communis*).—Stoss., 1886, 12.
- ocreatum* Mol., of Lint., 1898c, 514–515, pl. 42, fig. 13 (in *Pomatomus saltatrix*; Woods Hole); 1900a, 269, 282 (to (*Apoblema*), 288 (in *Merluccius bilinearis*, *Pollachius*; Woods Hole); 290, pl. 35, figs. 16–24; 1901b, 415, 418, 472, 474, 475, 478 (in *Lopholatilus chamaeleonticeps*, *Merluccius bilinearis*, *Pollachius virens*, *Urophycis chuss*; Woods Hole).—See *Hemimurus lintoni*, Pratt.
- ocreatum* of Stoss., 1888.—Stoss., 1898, 30 (syn. of *Apoblema stossichii* Mont.) (in *Aloea sardina*; Trieste).—Luehe, 1901n, 398 (of Mont., 1887; Stoss., 1888, 1898) in stomach of *Clupea pilchardus* at Trieste, syn. of *Hemimurus stossichii* Mont., 1891).—Mont., 1887, 86; 1891, 16, 21; 1891, 514 (syn. of *Apoblema stossichii*).
- ocreatum* (miscellaneous).—Ben., 1870, 64.—Dies., 1855a, 399.—Hausmann, 1897b, 4, 6, 20, 22 (in *Trutta salar*; near Basel).—Linst., 1873, 99.—Mont., 1888a, 8, 56.—Jackson, 1888, 648.—Johnstone, 1901, 337.—Juel, 1889, 7.—Olfers, 1816, 46.—Pag., 1857, 4.—Pratt, 1898, 6 (in *Pseudocalanus elongatus* at Kiel) det. by Möbius as *ocreatum*, by Mont., 1891, 13 as *Apoblema* append. Rud.; 1898, 354.—Wagener, 1860, 166, 183.—Will.—Suhm., —, 142–143; 1871, 382–383.
- otopodis* delle Chiaje, 1841, 139.—Carus, 1884, 133.
- ocular* de Bonis, 1882, 180.—Stiles, 1902a, 29 (see *Agamodist. ophthalmobium*).
- oculare* Moquin-Tandon, 1860, 347.—Stiles, 1902a, 29.
- oculatum* Levin., 1881a, 64, 67, pl. 2, figs. 7–8 (in *Cottus scorpius*; Egedesminde).—Braun, 1892a, 579, 693, 728, 729.—Johnstone, 1907, 188.—Looss, 1894a, 204, 218.—Mont., 1888a, 10, 38, 49, 78; 1891, 121; 1893, 41, 70, 82, 88, 95, 96, 105, 107, 108, 109, 160.—Odhner, 1905, 328, 331 (type of *Acanthopsoles*).—Stoss., 1886, 38 (in *Cottus scorpius*; Greenland).—Also reported for *Clupea harengus*.
- oculi humani* Gescheidt, 1833, 434–435 (in *Homo*).—Ammon, 1833.—Assenova, 1899, 29.—R. Bl., 1888a, 542, 630–631; 1891, 610.—de Bonis, 1882, 180.—Braun, 1895b, 145; 1903, 3. ed., 151 (perhaps *F. hepatica*); 1906, 156.—Cobbold, 1866, 7.—Dies., 1850a, 334 (syn. of *D. ophthalmobium*).—Dunglison, 1893, 338, 820.—Eiss, 1838, 22–23.—Gamb., 1896a, 63.—Hackley, 1886, 519.—Ijima, 1889b, 123.—Kuech. & Zuern, 1881, 328–329, pl. 8, fig. 12.—Moniez, 1896, 86, 152–153.—Mont., 1892, 713.—Schneidemuehl, 1896, 302.—Sieb., 1839, 164.—Stiles, 1898a, 48; 1902a, 27, 29, 32, 33.—Fischer von Waldheim, 1840a, 149.—Wallenstedt, 1847, 7.—Ward, 1895, 328 (in *Homo*) (see *D. ophthalmobium*); 1903, 866 (syn. of *Agamodist. ophthalmobium* Dies.).—Weinland, 1859, 281 to *Dicrocoelium*.
- oesophagi ardæ nigræ* Viborg, 1795, 242.—Baird, 1853a, 51.—Dies., 1850a, 337 (syn. of *D. hians*).—Rud., 1809a, 359.
- okeni* Ariola, 1906, 185, for *okenii* (Dist.).
- okenii* Kœlliker, 1849c, 55–58, pl. 1, fig. 7 (in *Brama raji*).—Ariola, 1906, 185 (*okeni*) (to *Kœllikeria*).—Ben., 1858a, 1861a, 105 (syn. of *D. filicollis*); 1870c, 137.—Braun, 1892a, 572, 573, 574, 647, 672, 698; 1893a, 878, 894, 912; 1906, 184 (*okeni*).—Dies., 1850a, 359, includes *Monost. filicollis*; *M. ? mole*; 1859c, 423, 429–430.—Gamb., 1896a, 70, fig. 35.—Goldb., 1855, 16.—Kroyer, 1838–40a, 594; 1852–53a, 745 (in *Brama rayi* Bl.; *Orthogoriscus mola*).—Looss, 1892, 81.—Mont., 1893, 137, 150.—Moul., 1856a, 25 (trouvé par Kœlliker, dans l'intestin d'un cyprin).—Sons., 1890, 143.—Tasch., 1879, 608, 613.—Wagener, 1852, 566.
- okuli humani* of Schneidemuehl, 1896, 302 for *oculi humani*.
- oligoon* Linst., 1887d, 103 (in *Gallinula chloropus*).—Braun, 1892a, 167; 1902b, 16, fig. 11 (includes *D. spiculigerum* Mueh.).—Mueh., 1898, 97.—Stoss., 1892, 149.

## DISTOMA—Continued.

- oloris* Dies., 1855, 64, based on Bellingham, 1844a, 427.
- onycephalum* Galli-Valerio, 1898m, 923 (for *oxycephalum*).
- opacum* Ward, 1894, v. 15, 173-182, 1 pl. (in *Amia calva*, *Ictalurus punctatus*, *Perca flavescens*, *Cambarus propinquus*; New Baltimore; Lake St. Clair; August); 1895, 15 Feb., 218-219; (1895), 633-634; 1901, 176-184.—Braun, 1900, 234.—Jagers., 1900, 736, 738, 740.—Looss, 1899b, 621.—Odhn., 1905, 317.—Stiles & Haas., 1902d, 20 (type of *Microphallus*).
- ophthalmobium* Dies., 1850a, 334 (in *Homo*; Dresden) [*D. oculi humani* Gescheidt renamed]; 1858e, 333.—Aitken, 1866, 804, 839; 1872, 146, 205; 1874, 58.—R. Bl., 1888a, 630.—de Bonis, 1876, 164; 1882, 180.—Braun, 1883a, 64-65; 1893a, 870; 1903, 3. ed., 151 (perhaps *F. hepatica*); 1906, 156.—Cobbold, 1860a, 6; 1864a, 191-192, fig. 41; 1866, 7; 1876, 211. "D. ophthalmobium or *Monost. lentis*;" 1879b, 36, fig. 5.—Dav., 1877a, lxxix, 820, 822.—Dunglison, 1893, 338, 820, 1174.—Gamb., 1896a, 63.—Goubert, 1878, 130.—Gunther, 1858, 209.—Harley, 1864a, 62.—Hæk, 1859, 42.—Hoyle, 1890, 538.—Ijima, 1889b, 123.—Jamieson, 1897a, 74.—Kholoik., 1898, 26, 32, 34, pl. 11, fig. 28; 1899a, 152.—Kuech., 1855, 181, 222-223, pl. 4, figs. 13-15.—Leuck., 1863a, 526, 610-613, 633, fig. 205; 1889, 440, fig. 191.—Linst., 1878, 3.—Moniez, 1896, 152-153.—Moquin-Tandon, 1861, 373.—Mosler & Peiper, 1894, 177.—Schneidemuehl, 1896, 302.—Stiles, 1898a, 48; 1902a, 25, 29, 34.—Verrill, 1870, 171.—Vogt, 1878, 10, 13.—Wagner, 1883, 121.—Ward, 1895, 328 (perhaps young *D. lanceolatum*); 1903, 866 to Agamodist.—Wood & Fitz, 1897, 335.
- opisthotrias* Luetz, 1895a, 181-188, pl. 2, figs. 1-4 (in *Didelphys aurita*); 1895b, 189-193; 1896a, 623.—Braun, 1899g, 492 (to *Harmost.*); 1900h, 12; 1901e, 338-339 (to *Harmost.*).—Looss, 1899b, 748 (to *Heterlope*).—Luehe, 1899, 532.—Par., 1896, 3, 5.
- orbiculare* Dies., 1850a, 349 (in *Cebus trivirgatus*; Brazil); 1855, 64, pl. 2, figs. 20-22; 1858e, 335-336.—Braun, 1901e, 311, 312, 313, fig. 14.—Cobbold, 1860a, 7; 1879b, 289.—Stoss., 1892, 36 (in *Nyctipithecus trivirgatus*; Brazil).
- oricola* Leidy, 1884a, 47 (in *Alligator mississippiensis*; Florida); 1891a, 414 (syn. of *D. incommodum*); 1904a, 180.—Braun, 1893a, 872.—Mont., 1892, 715 (*oracula*).—Stoss., 1895, 219 *oracula* (syn. of *D. pseudostomum*).
- oracula* Mont., 1892, 715, for *oricola*.—Stoss., 1895, 219.
- ornithorhynchi* Johnson, 1901a, Nov. 7, 334-338, pl. 22, figs. 1-4 (in *Ornithorhynchus anatinus* Shaw).
- orthagorisci mola* Dies., 1855, 64; 1858e, 342 (in *Orthagoriscus mola*; Ireland) (renamed *D. macrocotyle*).
- osculatum* Looss, 1901e, 654-656, fig. 11 (in *Motella vulgaris*).
- ovatum* (Rud., 1803) Rud., 1809a, 50, 357-358, 420, 432; 1819a, 93, 121, 674.—Anacker, 1887c, 513.—Baillet, 1866b, 105.—Baird, 1853a, 51 (includes *Hirudo fasciolaris* Mueller, *Fasc. ovata* Rud.).—R. Bl., 1888a, 643.—Braun, 1892a, 714, 734, 736, 765; 1893a, 876, 877, 879, 893; 1893d, 467, 468; 1901, 12, 13, 14, 15, 16; 1901, 258-259; 1901, 561; 1902b, 68 (to *Cephalogonimus* by Sons., 1890; type of *Prosthogonimus* Luehe, 1899, 539; and of *Prymnopriion* Looss, 1899b, 628), 69, 72 (in *Corvus corone*) 73, 74, 75, 76, 77, 78, 79, 80, 82, 83, 85.—Caruccio, 1886, 293.—Cobbold, 1860a, 9; 1879b, 440.—Crep., 1837a, 317, 318, 322, 326, 329; 1846, 130, 131, 134-137, 139, 141-143, 146; 1851, 284.—Dav., 1877a, lxxix.—Dies., 1850a, 335-336 (includes: *Igelin* in *Hühnereiern* Hanow; *Hirudo fasciolaris* Mueller, *Fasc. ov.* Rud., *D. anatis domesticæ* Rud.); 1858e, 333 (in *Fringilla montana*, *Scolopax gallinago*, *Ardea grus*, *Fulica atra*).—Duj., 1845a, 394-395.—Giebel, 1857, 265.—Hahn & Lefèvre, 1884a, 516.—Hass., 1896a, 2 (to *Cephalogonimus*).—Hugi., 1827, 48.—Juel, 1889, 36.—Kowal., 1894, 2; 1894, 221; 1895, 350; 1895, 372-390, pl. 8, fig. 7; 1896d, (7), 257, to (*Cephalogonimus*) (in *Corvus cornix*, *Gallinago scolopacina*; *Dublaney*).—Landois, 1882a, 13; 1882, 23 (in hen's egg).—Linst., 1873, 95, 96, 97, 98, 100, 101, 103.—Lint., 1887, 367-369 (in hen's egg; U. S. A.).—Looss, 1894a, 264; 1899b, 628-629 (type of *Prymnopriion*), 720, 721; 1900, 608.—Luehe, 1899, 539 (type of *Prosthogonimus*).—Mehlis, 1831, 178.—Mont., 1893, 157, 190.—Mueh., 1898, 29-30, 100.—Nord., 1840, 616.—Olfers, 1816, 44.—Sambon, 1900, 219.—Schneidemuehl, 1896, 303.—Sieb., 1835, 64, 65; 1836, 233.—Sons., 1890, 134.—Spencer, 1889, 109 (in hen's egg).—Staff., 1902, 719.—Stoss., 1892, 144 (to *Cephalogonimus*); 1898, 23.—Tschudi, —, 75.—Verrill, 1870, 179.—Wedl, 1857, 241-242, pl. 1, fig. 1.—Wolffhuegel, 1900, 9, 24, 26, 32.—Also reported for *Anas boschas dom.*, *A. clangula*, *A. clypeata*, *A.*

## DISTOMA—Continued.

- ferina, *A. glacialis*, *A. marila*, *Anser cinereus* dom., *Ascolopax gallinago*, *Astur nisus*, *Aegolius brachyotus*, *Buteo lineatus*, *Ceryle rudis*, *Chelidon rustica*, *Columbus subcristatus*, *Corvus americanus*, *C. corax*, *C. cornix*, *C. corone*, *C. frugilegus*, *C. glandarius*, *C. monedula*, *C. pica*, *Crax pratensis*, *Cygnus musicus*, *Falco buteo*, *F. nisus*, *F. subbuteo*, *Fringilla coelebs*, *Fulica atra*, *Fuligula ferina*, *F. marila*, *Gallinula chloropus*, *Grus cinerea*, *Hirundo urbica*, *Lanius minor*, *Larus canus*, *Numenius arcuatus*, *N. arquata*, *Otis tarda*, *Parus major*, *Phasianus gallus*, *Rallus porzana*, *Scolopax gallinago*, *S. rusticola*, *Strix brachyotus*, *Turdus viscivorus*, *Uria grylle*, *Vanellus cristatus*.
- ovatum* of Matsubara (in chickens; Yedo, Japan).—Braun, 1902b, 81–82 (= *Prosthogonimus japonicus*).
- ovatum* of Wedl, 1858, 241, pl. 1, fig. 1 (in *Scolopax gallinula*, *Grus cinerea*, *Fulica atra*) and of Linst., 1873, 96 (in *Corvus corone*).—Braun, 1902b, 72–73, 77–78 (= *Prosthogonimus cuneatus*).
- oriforme* Poir., 1886, 26–27, pl. 2, figs. 7, 8, 9 (in *Nycticebus javanicus*).—Braun, 1892a, 700, 721, 735, 737; 1901e, 311, 313.—Looss, 1899b, 608, 618, 714, 715 (to *Phaneropsolus*).—Luehe, 1899, 536 (thinks it is a *Lecithodendrium*).—Mont., 1888a, 38; 1893, 43, 83, 95, 102, 106, 107.—Stoss., 1892, 12–13 (in *Nyct. jav.*).
- ovocaudatum* Vulpian, 1859, v. 5, 150–152 (in *Rana viridis*).—Brand., 1898a, 215 (23).—Braun, 1892a, 603, 765, 774, 775, 784, 786, 787, 798, 803, 805, 808, 810, 814, 815; 1893a, 857, 865, 872, 881; 1893b, 181; 1895b, 11.—Creutzburg, 1890a, 32 pp. (anat. development).—Darr, 1902, 654, 657.—Gamb., 1896a, 72.—Heckert, 1887a, 460.—Kampmann, 1894b, 446.—Leuck., 1863, 490.—Looss, 1885b, 24; 1892a, 74, 101, 123; 1894a, 2, 109–111, 120, 133, 136, 137, 154, 168, 170, 173, 179, 184, 197, 199, 200, 201, 207, 210, 211, 212, 214, 275, pl. 3, fig. 49, pl. 6, fig. 123; 1893b, 813; 1896b, 215, 226, 227; 1899b, 645 (type of *Halipegus*).—Luehe, 1900, 558.—Mont., 1888, 68, 72.—Mueh., 1898, 29.—Schuberg, 1894, 169.—Sons., 1892, 95; 1893, May 7, 215–217; 1893, 187, 188 (in *Rana esculenta*, *R. temporaria*); 1893, 28 Oct., 566; 1893, Apr. 30, 63–64; 1894, 2 May, 172 (*Distomomum*).—Stoss., 1889, 71.
- ovocaudatum* of Nickerson, 1898, 261–264.—Staff., 1900, 405, 409–410; 1905, Apr. 11, 687–688 (syn. of *Halipegus occidialis*).
- ovofarctum* Odhn., 1902, 153–154 (in gallbladder of *Synodontis* sp.; Omdurman, Apr.); 1902, 42.
- ovum* Crep., 1846, 159 (in *Planorbis marginatus*).
- oxycephalikum* Schneidemuehl, 1896, 303, for *oxycephalum*.
- oxycephalum* Rud., 1819a, 98, 375–376 (in *Anas boschas*, *A. clypeata*).—Anacker, 1887c, 513.—Baird, 1853a, 56 (var. of *echinatum* in *Gallus* dom.).—Baillet, 1866b, 105.—Bellingham, 1844a, 423.—Braun, 1892a, 595; 1893a, 879.—Cobbold, 1860a, 12; 1879b, 440.—Crep., 1837, 311, 312; 1846, 142, 144, 145.—Dies., 1850a, 345–346 (syns. *Fasc. appendiculata boschadis*, *D. inermis*); 1858c, 335 (in *Anas clyp.*; *A. crecca*).—Duj., 1845a, 448.—Galli-Valerio, 1898m, 923 (*onycephalum*) (syn. of *Echinost. conoideum*).—Giebel, 1857, 265.—Hahn & Lefèvre, 1884a, 516 (syn. *Fasc. appendiculata* Fröh.).—Hass., 1896a, 2, 3 (syn. of *Echinost. echinatum*).—Landois, 1882, 23.—Linst., 1873, 105.—Leuck., 1863a, 471.—Looss, 1885b, 18.—Mont., 1888, 40.—Nord., 1832a, 47.—Schneidemuehl, 1896, 303 (*oxycephalikum*).—Stoss., 1892, 167 (syn. of *Echinost. ech.*); 1899, 13.—Verrill, 1870, 179.—Reported for *Anas boschas*; *A. boschas* dom.; *A. boschas fera*; *A. clypeata*; *A. crecca*; *A. ferina*; *A. marila*; *A. querquedula*; *A. tadorna*; *Anser albifrons*; *A. cinereus*; *Fuligula ferina*; *Mergus merganser*).
- oxyurum* Crep., 1825, 48–49 (in *Anas marila*; Feb.); 1837a, 316; 1846, 141, 142, 143.—Braun, 1891, 100; 1892a, 570; 1901, 944; 1902b, 11, 15, 23, 26.—Cobbold, 1860a, 12.—Dies., 1850a, 345 (*A. marila* at Greifswald, *A. clangula*, *A. fuligula*, *A. glacialis*, *A. nigra*, *A. tadorna*).—Duj., 1845a, 450.—Linst., 1882, 19.—Poir., 1885, 101 (*oxyurus*).—Sieb., 1836, 239.—Stoss., 1892, 185.—Reported also for *Bucephala clangula*; *Fuligula cristata*; *F. marila*; *Harelda glacialis*).
- pachisomum* Par., 1894, 155 (for *pachysomum*).
- pachyderma* Braun, 1899e, 629 (in *Chelone atra* =? *Thalassochelys caretta*); 1901b, 26–27, fig. 23.

## DISTOMA—Continued.

- pachysoma* Eysenhardt, 1829, 144 (in *Mugil auratus*).—Braun, 1892a, 578, 614, 672, 698, 727, 737; 1893a, 910; 1895b, 129.—Cobbold, 1860a, 27.—Dies., 1850a, 366 (in *Mug. aur.*).—Looss, 1894a, 178; 1902, 129.—Luehe, 1900, 487.—Mont., 1888a, 12; 1893, 43, 82, 129, 151 to [(*Monorchis*)].—Par., 1894, 155 (*pachisomum*).—Sons., 1891, 253, 255.—Stiles & Hass., 1898a, 91.—Stoss., 1886, 15, 47–48 (in *Mugil*); 1886, 16 (in *Mugil auratus*, *M. cephalus*); 1898, 27 to (*Podocotyle*).—Also reported for *Mugil chelo*, *Mergil auratus*.
- pacifica* Steenstrup, 1842, 74–75, 135, pl. 2, figs. 2–8 (of *Cerc. echinata* Sieb.).—Braun, 1881a, 329.—Dies., 1850a, 297 (syn. of *Cerc. fallax*); 1855a, 390–391 (syn. of *Cerc. (Hormost.) echinata*) (includes Sieb., 1843, 6, 54–57).—Erc., 1881e, 46, 47, pl. 2, fig. 7; 1882a, 282, 283 (in *Paludina vivipara*).—Fil., 1854a, 17, 18.—Moul., 1856a, 187, 189, 201, 215, 230.
- pagelli* Ben., 1870, 1871a, 43, pl. 4, fig. 17 (in *Pagellus centrodontus* at Louvain, Belgium; *Cantharus brama*, Belgium).—Jacoby, 1900, 16.—Stoss., 1886, 20 (in *Cantharus brama*, *Pagellus centrodontus*).
- palæmonis* Linst., 1877b, 186 (in *Palæmon serratus*); 1878a, 315.
- palliatum* Braun, 1892a, 608 (misprint for *palliatum*).—Gronkowski, 1902a, 523, 531 (16, 24) (for *palliatum*).
- pallasii* Poir., 1885, 13–14, pl. 23, fig. 6 (in *Delphinus phocaena*).—Braun, 1892a, 569; 1893a, 873.—Buttel-Reepen, 1902, 167, 171, 172, 176, pl. 6, fig. 16.—Darr, 1902, 666, 671, 698.—Linst., 1886, 125.—Stoss., 1892, 27 (in *Phocaena communis*; India).
- palleniscum* Shipley & Hornell, 1905, 53–54, 55, fig. 11 (in *Balistes* sp.; Ceylon).
- pallens* Rud., 1819a, 111, 408, 676 (in *Sparus aurata*; Naples; August).—Carus, 1884, 130.—Cobbold, 1860a, 26.—Dies., 1850a, 337, 348.—Duj., 1845a, 457–458.—Lint., 1898, 526–527, pl. 47, figs. 8–9; 1901, 415 (in *Alutera schœpfii*), 420, 464.—Looss, 1902m, 762.—Stoss., 1886, 31; 1887, 93; 1898, 47.
- palliatum* Looss, 1885a, 390–427, pl. 23, figs. 1–5, 7–14, 30; 1885b, 3–40, 46, pl. 23, figs. 1–5, 7–14, 30 (in gall ducts of *Delphinus delphis*); 1894a, 234; 1899b, 556, 558 (type of *Brachycladium*), 560; 1902m, 711, 776, 777.—Bettend., 1897a, 15; 1897, 319.—Biehringer, 1888a, 230, 231, 232, 233, 234.—Braun, 1892a, 569, 591, 593, 594, 597, 602, 607, 608 (*paliatum*), 618, 629, 640, 641, 662, 666, 671, 673, 674, 675, 677, 682, 688, 699, 701, 704, 711, 712, 713, 717, 719, 726, 727; 1893a, 875, 910; 1893a, 354; 1900g, 250, 251, 252, 253.—Buttel-Reepen, 1902, 185, 202.—Gronkowski, 1902a, 523, 531 (16, 24) (*paliatum*).—Jackson, 1888, 644.—Juel, 1889, 36, 37.—Kath., 1894a, 142.—Kowal., 1898h, 124 (21).—Lander, 1904a, 16.—Linst., 1886, 125; 1890f, 174, 183.—Mont., 1888a, 26, 36, 52, 54, 58; 1893, 27, 33, 41, 42, 65, 66, 67, 75, 83, 84, 85, 88, 90, 91, 95, 99, 102, 106, 107, 108.—Poir., 1886, 37.—Schuberg, 1895, 178.—Stiles, 1895l, 219, pl. 7, fig. 1; 1901, 203, 204.—Stoss., 1892, 10–11 (to *Cladocœlium*).—Volz, 1899, 232.—Wolf, 1903, 615, 618.
- palmatum* Rentsch, 1860, 38 (in *Seestichling*, *Gasterosteus*), 41.
- paludinx impuræ* Fil., 1854, 279, pl. 2, figs. 28–31 (in *Paludina impura*); 1854a, 24–25, pl. 2, figs. 28–31; 1855b, 23; 1857c, 9.—Dies., 1855a, 399 (to *Cercariæum*).—Erc., 1881e, 33, 46; 1882a, 269, 282.—Leuck., 1863a, 500.—Looss, 1894a, 32, 362 (see *perlutum*).—Moul., 1856a, 96 (to *Cercaria*).
- paludinx impuræ* Baer, v. 13, 2, 655.—Dies., 1855a, 399 (to *Cercariæum* (*tentaculorum*)).
- paludinx impuræ armatum* Fil., 1857c, 207–211, pl. 2, figs. 14–16; 1857c, 9–13.—Dies., 1858d, 281 (to *Cercariæum*).—Looss, 1894a, 32.
- paludinx impuræ inerme* Fil., 1857c, 207–211, pl. 2, figs. 16–18; 1857c, 9–13.—Dies., 1858d, 280 (to *Cercariæum*).—Erc., 1881e, 33, 34; 1882a, 269, 270.—Looss, 1894a, 32.—Sons., 1884, 58; 1897, 252.
- [*pancerii* D. Valle (a tunicate).]
- pancreaticum* Rail., 1890, 143; 1893a, 360 (in sheep; Japan); 1897, 371–377, 1 fig.—Gomy, 1897a, 371, 372.—Jacoby, 1900, 10, 11.—Janson, 1893c, 261.—Looss, 1907, Feb. 1, 124–127, of Janson, (from Hong-Kong).—Stiles, 1898a, 57.—Ward, 1895, 332 (in *Bos taurus*).
- pancreaticum* Katsurada & Saito, 1906, 501–506 (in cattle; Japan).—See *Eurytrema*.
- pancreatinum* Ward, 1895, 335 (in *Ovis aries*) “probably error for *D. lanceolatum*.”
- papillatum* Rud., 1814a, 105, Fasc. appendiculata Frœlich, p. 56, pl. 2, figs. 8–9 (in *Anas boschas* fer.; Germany), renamed.

## DISTOMA—Continued.

- papilliferum* Mol., 1859, 290 (in *Belone acus*; *Batavii*); 1861, 213.—Braun, 1892a, 567, 576; 1900, 231.—Carus, 1884, 128.—Dies., 1859c, 433.—Stoss., 1886, 19.
- [*papillosa* Crep., 1837a, 326, as name of a group of distomes.]
- papillosum* Dies., 1850a, 381 (in *Beroë rufescens*; *Triest*) (= *D. beroë* Will, 1844, 343, pl. 10, figs. 10–13, renamed).—Mont., 1888, 198, 199; 1893, 123.
- paronæ* Mont., 1893i, 43, 191, pl. 1, fig. — (in *Seriola dumerilii*).—Par., 1896 (in *Lichia amia*).
- [*parva* Sluiter, 1900, 6, a tunicate.]
- patellare* Sturges, 1897, Sept., 57–69, figs. 1–5 (in *Triturus* (Molge) *pyrrhogaster* Boie).—Braun, 1899b, 721; 1899g, 492 (to *Phyllodist.*); 1901b, 9, 10, 12.—Looss, 1899b (to *Spathidium*).—Odhn., 1902, 64, 65.
- pectinatum* Lint., 1905, 327, 334, 366, 389, figs. 200–203 (in *Trachinotus carolinus*, *Bairdiella chrysura*; Beaufort, N. C.).
- pedicellatum* Stoss., 1887, 184–185, pl. 12, fig. 52 (in *Chrysophrys aurata*; *Triest*) (according to Stoss., 1898, this form belongs in *Podocotyle*).—Braun, 1892a, 578, 720; 1893a, 874, 910.—Looss, 1899b, 571 (thinks it belongs to the *Creadiinae* possibly to *Creadium*).—Luehe, 1900u, 487 (*pedicillatum*).—Mont., 1888a, 12; 1893, 86, 94, 105, 107.
- pedicillatum* Luehe, 1900u, 487 (for *pedicellatum*).
- podocotyle* Leidy, 1890, 282 (in *Mola rotunda*; Beach Haven, N. J.); 1904a, 231.—Mont., 1893, 135.
- pelagiæ* Koelliker, 1849, 53–55, pl. 2, figs. 5–6 (in *Pelagia noctiluca*; Naples) to (*Accacœlium*).—Ben., 1858a, 1861a, 178.—Braun, 1892a, 673, 682; 1893a, 852.—Buttel-Reepen, 1902, 202.—Crep., 1849a, 78.—Dies., 1850a, 395.—Mont., 1888, 198, 199; 1893, 29, 30, 40, 47, 64, 122, 123, 124, 126, 135, 136.—Moul., 1856a, 217 (in *Argonauta argo*; *Pel. noct.*).—Pag., 1862, 298 (in *Arg. argo*).
- pelagicum* Staff., 1900, 399–401, fig. 1 (free form) at Passamaquoddy Bay, St. Andrews, New Brunswick; 1902, 481, to *Hemius* (*Apoblemma*).
- pellucidum* Linst., 1873, 95–103, pl. 5, figs. 5–6 (in *Gallus domesticus*).—Anacker, 1887c, 513.—Braun, 1892a, 678, 711, 725, 728, 734, 736; 1893a, 873, 893; 1901, 13; 1902b, 68, 72, 79 (*Prosthogonimus*).—Hass., 1896a, 2 (to *Cephalogonimus*).—Juel, 1889, 39.—Landois, 1882, 23.—Looss, 1899b, 539 (= *Prosthogonimus*), 628 (to *Prymnopion*), 721.—Luehe, 1899, 539.—Mont., 1893, 157.—Neumann, 1892, 374 (to *Mesogonimus*).—Rail., 1890, 138 (to *Cephalogonimus*); 1893a, 369.—Schneidemuehl, 1896, 303.—Staff., 1902, 719.—Stoss., 1892, 157.
- pelophylaxis esculenti* Wedl, 1849, 197.—Braun, 1893a, 870.—Dies., 1858e, 355 (in *Pelophylax esculentus*).—Stoss., 1889, 71 (in *Rana esculenta*).
- peregrinum* Braun, 1900f, 389 (in *Rhinolophus ferrum-equinum*); 1900b, type of *Mesotretes*.
- pericardium* Crep., 1849a, 78, *D. heliciæ* Leidy, renamed.—Dies., 1858d, 278 (syn. of *Cercariæum vagans*).—Leidy, 1857, 44 (= *D. vagans*).
- perlatum* Nord., 1832, 88–98, 101, pl. 9, figs. 1–9 (in *Cyprinus tinca*); 1840, 617, 620 (syn. of *Fasc. eriocis*).—Ben., 1858a, 1861a, 193.—Braun, 1892a, 747, 768, 780, 784; 1893a, 856; 1893b, 183.—Cobbold, 1860a, 29.—Crep., 1837, 311, 313, 314, 316, 317, 318, 321, 322, 323, 324, 328, 329.—Dies., 1850a, 394–395 (includes *Fasc. tinca*; *D. globiporum tinca*); 1858d, 280 (larva = *Cercariæum paludine impuræ inermæ*).—Duj., 1845a, 401 (to *Podocotyle*).—Erc., 1881c, 72; 1882a, 308.—Fil., 1857c, 12, 13.—Harz, 1881c, 5.—Hausmann, 1896a, 390, 391; 1897b, 4, 6, 18, 20, 22, 29, 30, 31, 32, 33 (in *Tinca vulgaris*; *Barbus fluviatilis*).—Klein, 1905, 15; 1905, 73.—Kowal., 1894, 2; 1894, 222.—Kroyer 1846–53a, 367 (in *Tinca vulgaris*).—Linst., 1873, 1 (larva = *Cercariæum paludine impuræ inermæ*).—Looss, 1893b, 815; 1894a, 2, 24–33, 42, 48, 86, 113, 122, 123, 124, 125, 126, 127, 135, 136, 137, 140, 148, 150, 157, 158, 166, 167, 173, 177, 178, 191, 192, 195, 207, 208, 211, 212, 213, 215, 218, 231, 232, 239, 249, 257, 262, 264, 266, 269, 270, 273, 274, 276, pl. 1, figs. 4–7, pl. 4, figs. 81–91, pl. 6, fig. 122, pl. 9, fig. 190 (in *Abramis brama*; *Tinca vulgaris*) (includes *Fasc. tinca*; 1790; *D. ferruginosum*, 1877); 1896, 83; 1899b, 598 (type of *Asymphyllodora*); 1902m, 770, 771.—Luehe, 1900, 487.—Moul., 1856a, 50.—Mueh., 1898, 25, 91, fig. 8a.—Odhn., 1905, 322.—Sieb., 1835, 65, 66, 82.—Sons., 1897, 252.—Stiles & Haas., 1898a, 92, 93.—Stoss., 1886, 41; 1886, 62 (to *Echinost.*).—Wagener, 1857, 44.



## DISTOMA—Continued.

- perlatus* var. *exspinosus* Hausmann, 1896a, 390–391 (in *Barbus fluviatilis*; Switzerland); 1897b, 29–34.
- permixtus* (Braun, 1901) Stoss., 1904, 2.
- perniciosus* Taylor, 1884, 53.—Caræ, 1888a, 35ff.—Corlette, 1897a, 146.—Dungli-son, 1893, 338.—Jamieson, 1897b, 147 (syn. of *D. sinense*).—Laspeyres, 1904a, 12.—Lockwood, 1901, 2. ed., 821.—Tyson, 1903, 3. ed., 1180 (syn. of *D. sinense*).—See *Clonorchis*.
- personatus* Poir., 1885, 11–12, pl. 23, fig. 5, pl. 26, fig. 4, host unknown, Gulf of Mexico.—Buttel-Reepen, 1902, 167, 172, pl. 1, fig. 15.—Darr, 1902, 666, 671.—Loennberg, 1891, 71.
- petalosum* Lander in Looss, 1902m, 454 (probably identical with “*D. auriculatum* Wedl of Linton, 1897, 521,” from *Acipenser rubicundus* and probably belongs to *Bunodera*).—See also *lintoni*.
- phariani galli* Dies., 1855, 64 (*D. dimorphum* Wagener).—Braun, 1892a, 735; 1893a, 874.
- philocholus* Crep., 1845, 330 (in *Delphinus phocaena*, liver).
- philodryadum* West, 1896, 28 Feb., 322–324, pl. 11 (in *Philodryas schottii*; England).—Johnston, 1901, 337.—Luehe, 1900ee, 743.
- philomela* Rud., 1819a, 120 (in *Motacilla philomela*; C. E. V.).—Dies., 1850a, 361 (syn. of *D. macrostomum*).—Duj., 1845a, 443.—Stoss., 1892, 183 (syn. of *D. macrost.*); 1898, 23.
- phoxini* Linst., 1896i, 378–379, fig. 9, a larva in *Phoxinus laevis*.
- phryganeæ* Linst., 1877b, 185 (in *Phryganea grandis*); 1878a, 296 (in *Ph. gr.*); 1887, 100.
- physæ fontinalis* Dies., 1855a, 400 (to *Cercariæum*) based on Baer, 1827, 656 (in *Physa fontinalis*).
- physophoræ* Kœlliker, 1849c, 53, based on Fil., 1843, 66, pl. 5, fig. 11 (in *Physophora tetrasticha*; Naples).—Dies., 1850a, 374 (syn. of *D. geniculatum*).—Mont., 1893, 124.
- pictum* Crep., 1837, 313, 316 (in *Ciconia alba*); 1846, 135.—Ben., 1868, 298.—Braun, 1893a, 874; 1901, 260; 1902b, 86, 87, 88, fig. 49 (includes *D. singulare* Mol., 1858; *Stomylus* Looss, 1899b, 629; *Stomylotrema* Looss, 1900, 602) (to *Stomylotrema*).—Dies., 1850a, 397.—Stoss., 1892, 185.
- pinnarum* Wagener, 1857, 26 (in *Gasterosteus*).
- pinnatum* Will.-Suhm. (1873), 341.—Thomas, 1882, 447.
- piriforme* Crep., 1846, 142 (in *Anas fusca*, A. glacialis), (see *D. pyriforme* Crep., 1837).—Braun, 1901, 259–260.
- pittacium* Braun, 1901, 947–948 (in *Strepsilas interpres*); 1902b, 146–147.—Nicol, 1906, 521, 522.
- planicollæ* Rud., 1819a, 682, 686–687 (in *Pelecanus sula*; Brazil) (to *Echinost.*).—Brand., 1892, 506 (to *Echinost.*).—Braun, 1901, 561, 567–568; 1902b, 28, 29, 30, 31 (to *Anoictost.*) (includes Brand., 1892, 506; Duj., 1845a, 430).—Dies., 1850a, 326 (syn. of *Monost. echinostomum*).—Duj., 1845a, 430–431.—Mont., 1892, 710.
- planorbis carinati* Fil., 1857c, 13–14, pl. 2, figs. 12–13; 1857 or 1859, 211–212, pl. 2, figs. 12–13.—Dies., 1858d, 282 (to *Cercariæum*).—Linst., 1873, 7; 1877, 14.—Looss, 1894a, 41.
- planorbis cornei* Linst., 1877, 187.
- plattææ* (Mueller, 1784) Zed., 1803a, 216.—Dies., 1850a, 352 (syn. of *D. areolatum*).—Rud., 1809a, 402 (syn. of *D. areolatum*).
- platyurum* Mueh., 1896, 267–270, figs. 6, 13–14 (in *Harelda glacialis*) [*D. laticollæ* Rud. of Mueh.; East Prussia]; 1897, v. 243–279, pl. 4; 1897, 127–128; 1897, 478–479; 1898, 16, 25, 96, 97, 98.—Braun, 1901b, 33; 1902b, 11, 15, 18.—Looss, 1899b, 573–574 (type of *Pailost.*).
- pleroticum* Braun, 1899e, 631 (in host?; Brazil); 1901b, 13, 17.—Luehe, 1899, 529.
- plesioatomum* Linst., 1883, 305–306, pl. 10, fig. 48 (in *Perdix græca*; Turkestan); 1886, 29.—Braun, 1892a, 578, 700, 711, 734; 1899b, 714; 1901, 946; 1902b, 109, 112, 119.—Jacoby, 1900, 10, 11.—Looss, 1899b, 634 (to *Dicrocoelium*).—Stoss., 1892, 152.

## DISTOMA—Continued.

- pleuronectis marimi* Dies., 1855, 64 based on Bellingham, 1844a; 1858e, 340 (see Bellingham, 428), renamed *D. microcotyle*.  
[*plumbeum* D. Valle, (a tunicate).]
- poirieri* Stoss., 1895, 227 (*D. gelatinosum* of Poir., 1885); 1904, 3.—Braun, 1899e, 631 (in *Emys europæa*); 1899b, 716; 1901b, 13, 15, 16, 17, 19, 30.—Looss, 1899b, 567.—Luehe, 1899, 528, 529.
- polonii* Mol., 1859, 291 (in *Caranx trachurus*; Batavii); 1861, 219.—Braun, 1892a, 576.—Carus, 1884, 126.—Dies., 1859c, 435.—Mont., 1893, 191.—Ols., 1868, 29; 1876, 15.—Sons., 1890, 142 (in *Caranx trachurus* L.).—Stoss., 1886, 38; 1899, 16.
- polyclinorum* Pag., 1862, 306, pl. 29, fig. 4 (in *Polyclinum*: Golf von Spezia).
- polymorphum* Fil., 1837a, 337–338, figs. 8–14 (in *Planorbis submarginata*); 1855b, 23.—Dies., 1850a, 296 (renamed *Cercaria brachyura*).—Moul., 1856a, 213 (syn. of *Cercaria brachyura*).
- polymorphum* (Rud., 1802) Rud., 1809a, 363–364 (in *Muræna anguilla*), includes *Fasc. anguillæ* 1790; 1814a, 101; 1819a, 95, 369–370.—Braun, 1891d, 421; 1892a, 642, 736, 765.—Carus, 1884, 132.—Cobbold, 1860a, 23 (in *Anguilla vulgaris*); 1879b, 458 (in *Esox lucius*).—Dies., 1850a, 340 (includes *D. anguillulæ* Abildg. ?, *D. anguillulæ* Zed., *Fasc. anguillæ*); 1858e, 333 (in *Anguilla vulgaris*) (includes Dies., 1850a, 340; Wedl, 1855, 383, 394, pl. 2a, 17, 400, 408, pl. 1b, 7; Stein, pl. 7, fig. 23).—Duj., 1845a, 468.—Juel, 1889, 39.—Kroyer, 1846–53a, 641 (in *Anguilla migratoria*).—Leeuwenhoek, —, 344.—Linst., 1873e, 99.—Nord., 1840, 618 (syn. of *Fasc. anguillæ*).—Olfers, 1816, 45.—Risso, 1826, 262.—Stoss., 1902, 562.—Wedl, 1855, 383–384, pl. 2a, fig. 17; 400, pl. 1b, fig. 7.
- polyoon* Linst., 1887, 103–104 (in *Gallinula chloropus*).—Braun, 1902b, 155–156, fig. 98.—Dies., 1850a, 340.—Stoss., 1892, 186.
- polyorchis* Stoss., 1889, 24–25, fig. 61 (in *Corvina nigra*; Triest).—Braun, 1892a, 583, 673, 698, 700, 728; 1895b, 129; 1902b, 22.—Buttel-Reepen, 1902, 202.—Linst., 1901, 415, 417, 460, figs. 363, 364, 365 (in *Cynoscion regalis*); 1905, 328, 334, 366 (in *Cyn. reg.*), 385.—Looss, 1894a, 178.—Mont., 1893, 82, 84, 85, 86, 95, 148, 149; 1896, 166, to (P.).—Ofenheim, 1900, 160.—Sons., 1890, 136.—Stiles & Hass., 1895a, 737–742; 1895h, 162–163; 1898a, 92, 97 (type of *Pleorchis*).
- pontalici* Stoss., 1892, 178, for *pontalliei* (Dist.).
- pontalliei* Cobbold, 1860a, 10 (in *Ardea minuta*) (*D. cladocalium* Dies., renamed).—Stoss., 1892, 178 (*pontalici*) (syn. of *D. cladocalium*).
- porrectum* Braun, 1899b, 714 (in *Saurophaga saurophaga*; New Guinea); 1902b, 109.—Jacoby, 1900, 10, 11.—Looss, 1899b, 634.
- pristiophori* Johnston, 1902, 326–330, pl. 13, figs. 1–7 (in *Pristiophorus cirratus* Lath.).—Linst., 1903, 354.
- pristis* Deslongchamps, in Lamouroux, 1824, 563 (in *Marsouin*); 1824, 281.—Braun, 1892a, 579, 583, 584, 728.—Cobbold, 1860a, 36 (to *Echinost.*).—Dies., 1850a, 390 (in *Merlangus communis*; Normandy).—Duj., 1845a, 433.—Kroyer, 1838–40a, 606 (in *Merlangus vulgaris* Cuv.).—Lamouroux, 1824a, 563.—Looss, 1894a, 204, 218; 1899b, 581 (to *Stephanost.*).—Mont., 1888a, 14; 1893, 86, 88, 105, 107, 108, 109.—Stoss., 1886, 36, 45–46, pl. 8, fig. 33.—Vaullegard, 1901, 143–146, 1 fig.; 1901, v. 8, 640.
- pseudoechinatum* Ols., 1876, 21–22, pl. 4, figs. 45–49 (in *Larus marinus*; Scandinavia).—Braun, 1893a, 874.—Kowal., 1896d, 253 (3) (in *Dominicanus marinus*), to (*Echinost.*).—Mont., 1888a, 14; 1893, 86.—Stoss., 1892, 166 (to *Echinost.*).
- pseudostoma* Will.-Suhm, 1870, 11–12, pl. 11, fig. 2 (in *Alligator lucius*); 1871, 185–186, pl. 11, fig. 2.—Brand., 1888a, 15.—Mont., 1892, 34; 1892, 715.—Pavesi, 1881, 294.—Poir., 1886, 334 (to *Diplost.*).—Stoss., 1895, 219 (in *Alligator mississippiensis*; Florida).
- putens* Lint., 1900a, 269, 283, 290–291, pl. 37, figs. 40–47 (in *Paralichthys dentatus*; Woods Hole, Sept.); 1901, 415, 420, 482; 1905, 328, 334, 372, 413 (in *Paralichthys albiguttus*, *Rachycentron canadus*).
- pulchellum* Rud., 1819a, 94, 367–368, 595 (in *Labrus cynædus*; Naples).—Barbagallo & Drago, 1903, 410 (in *Gobius jozo*; Catania), to (*Dicrocoelium*).—Carus, 1884, 131.—Cobbold, 1860a, 22.—Dies., 1850a, 338–339.—Duj., 1845a,

## DISTOMA—Continued.

- 462.—Looss, 1901, 399.—Mol., 1859, 844.—Odh., 1901, 484, 493, 494; 1902 160–161 (to *Helicometra*).—Sons., 1891, 257–258 (in *Tinca vulgaris*).—Stoss, 1886, 54; 1898, 45–46.—Also reported for *Blennius ocellaris*, *Labrus mixtus pulcherrimus* (Weyenbergh, 1876) Weyenbergh, 1878, v. 3, 31–38 (in *Hypostomus plecostomus*; Argentina); 1878, 354–361; 1878, 554–561; 1880, 31–39.—Braun, 1893a, 871.—Looss, 1885b, 55.
- pulicis* Linst., 1892, 333–334, pl. 15, fig. 19 (in *Gammarus pulex*).—Braun, 1891b 182.
- pulmonale* Bætz, 1883a, 236–237, fig. 3 (in *Homo*).—Anders, 1903, 6 ed., 1245.—Bl., 1888a, 627 (syn. *D. ringeri*).—Brand., 1888a, 50; 1890a, 577; 1891b, 265.—Braun, 1892a, 664, 758; 1893a, 876, 882; 1893b, 185, 186; 1901, 332; 1903 3 ed., 155 (syn. of *Paragonimus westermani*).—Cobbald, 1884g, 976.—de Does 1903, 409–412.—French, 1896a, 644.—Gamb., 1896, 63, 70.—Hahn & Lefèvre 1884a, 546 (syn. of *D. ringeri* Cobb.).—Huber, 1896a, 576–577.—Janson, 1897a 454–455 (in dogs, cats, swine).—Janson & Tokishige, 1892, 349, 351.—Katsurada, 1899a, 8–29; 1900, 506.—Katsurada & Fijiki, 1899a, 1–18, 8–2 (pathology).—Katsurada & Saki, 1899a, 141–185 (treatment).—Kholodk. 1898, 26, 31, pl. 11, figs. 18–21; 1899a, 152.—Kurimoto & Ijima, 1892a, 718 720.—Leuck., 1889, 404–440, figs. 181–190.—Linst., 1890f, 178 (syn. of *D. westermani*).—Looss, 1894a, 118, 142, 159, 180, 181, 186, 206; 1899b, 560 1905, 84 (syn. of *Paragonimus westermani*); 1905m, 280.—Manson, 1895, 54 55; 1901 (Gibson), 541 (syn. of *D. ringeri*); 1903, 3 ed., 631 (syn. of *Paragonimus westermani*).—Miyake & Matzui, 1894, 1–6, pl. 1.—Moniez, 1896 144.—Mont., 1888, 54; 1893, 13, 33, 35, 38, 39, 83, 87, 95, 102, 105, 106 107, 155, 157.—Mosler & Peiper, 1894, 178–179.—Otani, 1888.—Rail., 1890 143.—Remy, 1883, 525–527, fig. 2.—Rev. sci., 1890, 189.—Schneidemuehl 1896, 301–302.—Shaw, 1901, 600.—Simon, 1896, 225; 1897, 209, 224, 259.—Stiles & Hass., 1900a, 567.—Stoss., 1892, 32 (to *Mesogonimus*).—Taniguchi 1903, Dec., 100, 105.—Taylor, 1884, 44–48, 51–52, fig. 1.—Vierordt, 1898 158.—Vincent, 1889, 184; 1890, 189–190; 1890, 80.—Ward, 1895, 244 (syn. of *D. westermani*), 328 (in *Homo*), 341 (in *Canis familiaris*); 1903, 86 (syn. of *Paragonimus westermani*).—Weichselbaum, 1898, 315.—Wolf 1903, 612.—Wood & Fitz, 1897, 336.—Yamada, 1899, (pathology); 190 (prophylaxis).—Yamagiwa, 1890a, 457 (seu *cerebrale*); 1891a; 1891b; 1891c
- pulmonale colubri natricis* Viborg, 1795, 243.—Dies., 1850a, 348 (syn. of *D. naja*).—Rud., 1809a, 434.—Ward, 1895, 244 (syn. of *D. westermani*).
- pulmonar* La Clínica de Málaga, 1883, 308, for *pulmonale*.
- pulmonis* Kiyona, Suga & Yamagata, 1881, teste Ijima, 1889b, 148.—Braun, 1903 3 ed., 155 (syn. of *Paragonimus westermani*).—Ijima, 1889b, 148.—Inouye 1903, 120.—Katsurada, 1900d, 506 (syn. of *D. westermani*).—Ward, 1895, 32 (in *Homo*), 341 (in *Canis familiaris*); 1903, 867 (syn. of *Paragonimus westermani*).
- pulmonum* (Bætz, 1880) Tomono Hidekata, 1883 (autopsy).—Inouye, 1903 120.—Inouye & Katsurada, 1893, 798; 1897, 995 (in brain).—Looss, 1905, 8 (syn. of *Paragonimus westermani*).—Riusai, 1884 (treatment).—Tomono 1883, no. 96.—Yamagiwa, 1890.—Yamagiwa & Inouye, 1890a, 20 Sept., — 5 Oct., —; 20 Oct., —; 1890, 5 Nov., 30–40; 20 Nov., 26–38.
- pulvinatum* Braun, 1899, 630 (in *Flusschildkroeten*; Brazil); 1901b, 24–26 fig. 18.—Looss, 1902m, 515, 516.—Odh., 1902, 42; 1902, 153.
- punctatum* (misprint for *D. punctum* Zed., 1800a, 184) Dies., 1850a, 329 (syn. c *Monost. cochleariforme*).—Harz, 1881c, 11.
- punctum* Zed., 1800a, 164, 183–184 (in *Cyprinus barbus*; Europe); 1803, 217.—Bremser, 1824, 134.—Cobbald, 1860a, 28 (in *Barbus communis*).—Crep., 1837 326; 1839, 289.—Dies., 1850a, 377 (includes Bremser, 1824c, pl. 9, figs. 21, 22 Duj., 1845a, 463; Rud., 409, 1819a, 112).—Duj., 1845a, 463.—Harz, 1881c 5, 10, 11 (punctatum), 152, 154.—Hausmann, 1896a, 391; 1897b, 30.—Kroyer 1846–53a, 333 (in *Barbus fluviatilis* Ag.).—Nord., 1832a, 88.—Olfers, 1816 46.—Rud., 1809a, 327, 366, 409–410; 1819a, 112–113.—Stoss., 1886, 54.
- pungens* Linst., 1894, 333–334, fig. 10 (in *Podiceps minor*; Seeburger See).
- pusillum* (Braun, 1790) Zed., 1803a, 210.—Braun, 1893a, 870.—Cobbald, 1860a, (in *Erinaceus europæus*); 1879b, 295.—Crep., 1825, 55–57; 1837, 310, 326 1841, 78.—Dies., 1850a, 360 (to *Fasc.*).—Duj., 1845a, 438–439.—Harz, 1881c 3 (pusillum).—Olfers, 1816, 30, 44.—Rud., 1809a, 163, 384–386; 1819a, 104 119 (pars, syn. of *D. aluconis thoracicum*).—Stoss., 1892, 33, (to *Agamodist.*)

## DISTOMA—Continued.

- pussillum* Harz, 1881c, 3 (for *pussillum*).
- putorii* Mol., 1858, 131 (in *Mustela putorius*; Patavii); 1861, 224, pl. 5, fig. 4.—Braun, 1893a, 870 (in *Fœtorius putorius*).—Cobbold, 1860a, 9.—Dies., 1858e, 354 (in *Mustela putorius*).—Erc., 1881e, 56; 1882a, 292.—Linst., 1875, 192, pl. 2, fig. 14.—Stoss., 1892, 34 (to *Agamodist.*).—Also reported for *Putorius vulgaris*.
- putorii* (Gmelin, 1790) Rail., 1893a, 366.
- pygmaeum* Levin., 1881a, 73–75, pl. 3, fig. 3 (in *Somateria mollissima*; Egedesminde).—Braun, 1892a, 578, 583, 586, 642, 720, 721, 736; 1900, 234.—Jägers., 1901, 982 (type of *Spelotrema*).—Looss, 1899b, 620; 1902m, 704, 705, 706, 784 (in *Somateria mollissima*).—Luehe, 1899, 537.—Mont., 1893, 43, 61, 83, 95.—Nicoll, 1906, 522, 523, 524.—Odhn., 1900, 13; 1905, 314 (to *Spelotrema*).—Stiles & Hass., 1902d, 20 (type of *Spelotrema*).—Stoss., 1892, 147.—Ward, 1901, 184.
- pygmaeum similis* (Jägers., 1900) Looss, 1902m, 784.
- pyramidum* Looss, 1896b, 76–78, pl. 6, fig. 52 (in *Rhinolopus hippocrepis* Bonap.; Ghizeh); 1898, 453, 454, 456, 457, 458, figs. 1, 4.—Stiles, 1901, 200.
- pyriforme* Crep., 1837a, 316 (in *Eisente*); 1847, 142 (*piriforme*).—Dies., 1850a, 397 (in *Anas fusca*, A. glacialis).—Stoss., 1892, 186.
- pyriforme* Lint., 1900, 269, 279, 292–293, pl. 38, figs. 52–59 (in *Palinurichthys perciformis*; Woods Hole, Aug.); 1901, 415 (in *Cynoscion regalis*, *Monticircus saxatilis*, *Pal. percif.*), 422, 453, 454, 457, 458, 460, 462, 483; 1905, 328, 334, 352, 360, 380, 382 (in *Brevoortia tyrannus*, *Lagodon rhomboides*, *Menidia menidia*).
- pyridatum* Bremser in Rud., 1819a, 678–679 (in *Crocodylus sclerops*; Brazil).—Cobbold, 1860a, 19.—Dies., 1850a, 358 (in *Champsia sclerops*; Brazil).—Duj., 1845a, 452.—Leuck., 1863a, 460.—Rud., 1819a, 678–679.—Stoss., 1895, 231–232.—Also reported for *Caiman sclerops*, *Jacare sclerops*.
- quietum* Staff., 1900, 403–406, fig. 4 (in frogs; apparently Canada).—Type of *Glypthelmina*.
- rachion* Cobbold, 1858b, 158, pl. 31, figs. 9–10 (in *Morrhua ægelfinus*); 1860a, 25.—Braun, 1892a, 642.—Lint., 1898, 538–539, pl. 53, figs. 3–7; 1901, 415 (in *Gadus callarias*), 422, 476.—Mont., 1893, 82, 85, 86.—Nicoll, 1907, 77, 79 (syn. of *Lepodora rachiaea*).—Odhn., 1905, 332 (type of *Lepodora*) (*rachiaea*).—Stoss., 1886, 43 (in *Gadus morrhua*).
- radiatum* Duj., 1845a, 427–428 (in *Carbo cormoranus* or *Pelecanus carbo*, to (*Echinost.*), from *Vien. Mus.*—Dies., 1850a, 383 (syn. of *D. echinatum*).—Stoss., 1892, 167 (syn. of *Echinost. ech.*); 1898, 52.
- radula* Duj., 1845a, 433–434 (in *Lymnæus palustris*; Rennes), to (*Echinost.*).—Dies., 1850a, 395.—Fil., 1854a, 17.—Moul., 1856a, 203.
- ragazzi* Linst., 1903t, 354, for *ragazzii*.
- ragazzii* Setti, 1897, 8–12, pl. 8, figs. 6–7 (in *Squalus*; Eritrea), to (*Polyorchis*).—Ariola, 1899, 7.—Linst., 1903, 354 (*ragazzi*).—Looss, 1899b, 642, 644, 731, 737 (type of *Syncelium*).—Par., 1896, 3, *nomen nudum* (in *Squalus* sp.; Red Sea).
- rajæ* Rud., 1809a, 435 (*D. rajæ intestinale* Viborg).
- rajæ intestinale* Viborg, 1795, 242.—Rud., 1809a, 435 (*D. rajæ*).
- ralli* Rud., 1819a, 120 (in *Rallus aquaticus*; M. C. V.).—Dies., 1850a, 339 (syn. of *D. holostomum*).—Duj., 1845a, 447.—Stoss., 1892, 145 (syn. of *Cladocellium holost.*).
- ramlianum* Looss, 1896b, 36–44, pl. 3, figs. 17–19 (in *Caméléon*; Ramleh); 1898, 461; 1899b, 589–590 (type of *Lepoderma*).—Luehe, 1899, 531.—Stoss., 1904, 2.
- ranæ esculentæ* Dies., 1850a, 388 (syn. of *D. retusum*), based on *Valentin*, 1841, 54.
- rarum* Ben., 1858a, 1861a, 178 (in *Cyprinus dobula*).—Fraip., 1880c, 417.
- rastellus* Oles., 1876, 16–17, pl. 3, figs. 31–36 (in *Rana temporaria*).—Braun, 1892a, 736; 1893a, 881.—Linst., 1887, 97, 98, 101, 102 (syn. of *D. endolobum* Duj.).—Looss, 1894a, 82, 84, 85 (syn. of *D. end.* Duj.).—Mont., 1893, 94, 102 (*rastellum*).—Stoss., 1889, 66.
- rathonisi* Simon, 1896, 182, 192, misprint for *rathouisi*.
- rathonisii* Huber, 1894a, 2 (contents), 1896a, 575 (misprint for *rathouisi*; syn. of *D. buskii*).—Simon, 1896, 182, 192; 1897, 223.

## DISTOMA—Continued.

- rathouisi* Poir., 1887, 203–211, pl. 13, figs. 1–7 (in Homo); 1888, 186–187; 1889, 49.—R. Bl., 1891, 610 (syn. of *D. buski*).—Braun, 1892a, 568 (*rathouisii*), 60, 635, 638, 682, 684, 699, 704, 717, 719, 733; 1893a, 875, 882; 1895b, 141–142 (*rathouisi*), fig. 57 (probably identical with *D. buski*); 1903, 3 ed., 154, fig. 10 (*rathouisi*); 1906, 157–160, fig. 91.—Gamb., 1896a, 63, 70 (*rathouisii*).—Hoyl, 1890, 538.—Ijima, 1889b, 133 (*rathouisi*).—Kholodk., 1898, 26, 30, 31, pl. 1, fig. 17.—Leuck., 1889, 328–336, figs. 150, 152, 153.—Moniez, 1896, 86, 117–118.—Mont., 1893, 33 (*rathousii*), 83, 84 (*rathouisi*), 102, 107.—Stoss., 1892, 27–28 (syn. of *D. crassum*) (in Homo; China; India).—Ward, 1895, 328 (in Homo).
- rathouisii* Braun, 1892a, 568, for *rathouisi*.
- rathousii* Mont., 1893, 33, for *rathouisi*.
- raynerianum* Nardo, 1827, 68–69 (in *Luvarus imperialis*; Venice); 1833, 524.—Carus, 1884, 125.—Cobbold, 1860a, 28; 1879b, 460.—Dies., 1850a, 376.—Mont, 1891, 500, 520.—Stoss., 1886, 15; 1891, 112.—Also reported for *Proctosteg* prototypus.
- receptaculum* Cobbold, 1860a, 29 (*D. labracis* Duj. renamed, in *Labrax lupus*).—Odh., 1901, 514.—Stoss., 1898, 46.
- recurvatum* Linst., 1873, 101, 105, 106, pl. 5, fig. 1 (in *Anas marila*).—Braun, 1892, 569; 1893b, 183.—Kowal., 1894, 3; 1895, 355–356, figs. 9–11, 12c; 1895, 1, 15), 41, 55; 1896d, (7), 257 (in *Anas boschas*; *Fuligula marila*; *Dublan* to (*Echinost.*)).—Sons., 1897, 252.—Stoss., 1892, 162 (to *Echinost.*).—Villc 1878, 25.
- recurvum* Duj., 1845a, 410 (in *Mus sylvaticus*; Rennes), to (*Brachylaimus*).—Braun, 1899g, 492; 1901c, 339–341 (includes *D. musculi* Rud.; Duj.; Dies.), 341.—Cobbold, 1860a, 9; 1879b, 316.—Dies., 1850a, 389.—Stoss., 1892, 19–20 (in *M. sylvaticus*; Rennes).
- refertum* Mueh., 1898, 18 (in *Cypselus apus*; East Prussia), 26, 84, 86–87, figs. 12.—Braun, 1902b, 100, 109 (= *clathratum* Desl.).—Jacoby, 1900, 10, 11.—Looss, 1899b (to *Dicrocoelium*).—Rail., 1900, 239 (syn. of *Dicrocoelium clathratum* Deslong.).
- reflexum* Crep., 1825a, 54 (in *Cyclopterus lumpus*; Mar. and Apr.).—Bellinghar 1844a, 425.—Ben., 1858a, 1861a, 178; 1870, 51, pl. 5, fig. 3.—Braun, 1892a, 57 699, 700, 734, 737; 1893a, 873, 910.—Cobbold, 1860a, 24.—Dies., 1850a, 3 (includes *D. cyclopteri* in *Cyclopterus lumpus*; Greifswald); 1858c, 342 (in *Cyclopterus lumpus*).—Duj., 1845a, 467.—Hausmann, 1897b, 4, 6, 20, 22 (in *Trutta salar*).—Jacoby, 1900, 11.—Kroyer, 1838–40a, 613 (in *Cyclopterus lumpus*).—Mont., 1893, 95, 102.—Nicoll, 1907, 73, 74.—Odh., 1901, 484, 48 506, 508, 509, 512; 1905, 321.—Olss., 1868, 52.—Stoss., 1886, 28.
- reinhardi* Linst., 1903, 280–282, fig. 16 (in *Astacus leptodactylus*).
- renale* Fil., 1855b, 19–20, 23, pl. 2, fig. 21 (in *Helix adspersa* near Turin); 185 435–436, fig. 21, pl. 2.—Dies., 1858d, 266 to Cerc. (*Gymnocephala*).—Er 1881e, 64, 65; 1882a, 300, 301.—Moul., 1856a, 164, 216 (to Cerc.) (in *Hel aspera* at Turin).—Par., 1894, 160.
- reniferum* Looss, 1898, 461 (*D. unicum* Looss, not Mol., renamed); 1899b, 5 (type of *Astia*); 1900 (type of *Astiotrema*).—Braun, 1901b, 37.—Lueh 1899, 531 (*reniforme*).
- reniforme* Luehe, 1899, 531 (syn. *unicum* Looss, nec Mol.), 532 for *reniferu* Looss.—Stoss., 1904, 2.
- repandum* Rud., 1819a, 681 (in *Rana* sp.; Brazil).—Dies., 1850a, 355.—Cobbol 1860a, 19 (in *Cystignathus pachypus*; Brazil).—Duj., 1845a, 454.—Stos 1889, 71 (in *Cystignathus ocellatus*).
- reticulatum* Wright, 1879, 58–59, pl. 1, fig. 6 (in *Ceryle alcyon*); 1879, 7.—Brau 1892a, 570, 698; 1893a, 876.—Looss, 1894a, 171; 1899b (= *Fasc.*).—Stos 1892, 154.
- reticulatum* Looss, 1885b, 40–57, 59 (*retikulatum*), pl. 23, figs. 16, 20–29 (in “Wels Costa Rica); 1885a, 427–444; 1894a, 137, 138, 171; 1899b, 536, 585, 650, 65 (to *Clinost.*).—Biehringer, 1888a, 230, 231, 232, 233.—Bock, 1886a, 544.—Braun, 1892a, 603, 607, 608, 611, 615, 640, 650, 651, 664, 677, 688, 735, 741, 74 1892, 46; 1893a, 871; 1899g, 484, 485, 486, 487, 491; 1900h, 2, 3, 4, 5, 6, 9, 1 43, 44; 1900, 26, 31; 1902b, 129.—Jackson, 1888, 644, 645.—Linst., 189c 183.—MacCallum, 1899, 705, 707.—Mont., 1888a, 15, 30, 32, 38, 43, 54, 57, 1 (type of *Mesogonimus*); 1893, 18, 44, 65, 66, 83, 85, 88, 90, 91, 102, 106, 107, 15 156.—Roessbach, 1906, 377.—Stiles & Hass., 1898a, 86 (see *D. dictyotus*) (ty of *Mesogonimus*).—Reported for *Acipenser* sp.

## DISTOMA—Continued.

- reticulatum* Poir., 1886, 39, pl. 3, fig. 8 (in *Axinurus dugesii*).—Braun, 1899g, 491 (syn. of *Clinost. marginatum*); 1900h, 44, 45.
- retikulatum* Looss, 1885b, 59, for *reticulatum*.
- retroconstrictum* Srámek, 1901, 95, 108, fig. 62 (syn. *Monost. constrictum*) (in *Abramis brama* Cuv.); 1902, 21 Apr., 173.
- retroflexum* Mol., 1859, 290 (in *Belone acus*; *Batavii*); 1861, 213.—Braun, 1893a, 910; 1893b, 184 (in *Bel. vulgaris*).—Carus, 1884, 124.—Dies., 1859c, 432.—Luehe, 1900, 488, 492; 1901, 480.—Stoss., 1883, 117 (in *Bel. acus*); 1886, 16; 1891, 216.
- retusum* Duj., 1845a, 405–406 (in *Rana temporaria*; *Rennes*), to (*Brachycœlium*).—Baillet, 1866b, 96.—Ben., 1858a, 1861a, 92–96, 178, 186, pl. 11, figs. 9–27.—Braun, 1892a, 767; 1893a, 860, 866, 881.—Cobbold, 1860a, 18 (in *Rana esculenta*; *Valentin*).—Dav., 1877a, lxxi, fig. 34.—Dies., 1850a, 388 (includes *D. clavigerum*; *D. ranæ esculentæ*); 1858, 348 (in *Rana halcinea*); 1859c, 434 (cf. *Cerc. armata minor* Ben., 1858a, 98, pl. 11, figs. 9–27, in *Lymnaeus stagnalis*; *Belgium*).—Erc., 1881e, 73, 82, 84, 85, 89; 1882a, 309, 318, 320, 321, 325.—Fraip., 1880c, 417.—Gamb., 1896a, 72.—Hahn & Lefèvre, 1884a, 516 (of “*Rud.*”).—Leidy, 1851, 207; 1856, 44.—Linst., 1887, 97, 98, 99.—Looss, 1894a, 82, 84 (of Ben.: is syn. of *D. endolobum*), 85, 208; 1899b, 611.—Luehe, 1899, 536.—Mont., 1893, 43.—Pag., 1857, 41.—Staff., 1902, 724.—Stiles, 1901, 197, 199, 201.—Stoss., 1889, 63.—Also reported for *Phryganeidæ* larvæ.
- rhatonsii* Simon, 1897, 223, misprint for *rathousii*.
- rhizophysæ* Mont., 1888, 199 (for *rhizophysæ*).
- rhizophysæ* Studer, 1878, 12–13, pl. 1, figs. 2, 7 (in *Rhizophysa conifera*).—Braun, 1893a, 869; 1893d, 468.—Mont., 1888, 199 (*rhizophysæ*); 1893, 123.
- [*rhodopyge* Sluiter, 1898 (a tunicate).]
- rhombi* Ben., 1870, 72 (in *Rhombus maximus*).—Braun, 1893a, 872.
- ricchiardii* Lopez, 1888, 137–138.—Looss, 1899b, 552, 736; 1901, 204, 206; 1902m, 482, 791 (*amphitypie*), 846, 854.
- richardii* Brand., 1891b, 267 (for *richiardi*).
- richiardi* Mont., 1891, 500 (for *richiardi*).
- richiardi* Lopez, 1888a, 137–138 (in *Acanthias vulgaris*; *Risso*).—Ariola, 1899, 8.—Brand., 1891b, 267 (*richiardi*).—Braun, 1892a, 698, 715.—Crety, 1892b, 373 (*vitelline nuclei* of); 1892c, 396, 399 (*richiardi*); 1892, 24–26, fig. 2; 1892, (92–97); 1893a, 380, 382–384 (*richiardi*).—Linst., 1888, 46; 1903, 354.—Looss, 1894a, 134, 145, 166, 179, 189, 190, 200, 204, 210, 211, 224; 1902m, 482 (*richiardi*), 791, 846, 854, 855 (type of *Probolitrema*).—Mont., 1889, 132–134; 1889, 612; 1891, 500 (*richiardi*); 1892, 5, 6, 7 (*richiardi*); 1892, Oct. 7, 188 (*richiardi*); 1893, 17, 19, 32, 33, 34, 40, 41, 42, 43, 49, 50, 61, 62, 65, 66, 67, 68, 69, 71, 72, 76, 78, 79, 82, 83, 84, 85, 86, 87, 88, 90, 91, 94, 95, 96, 97, 98, 99, 102, 103, 106, 107, 109, 110, 112, 114, 117, 120, 122, 135, 139–148, 209, pl. 1, fig. 10, pl. 5, fig. 51–55, pl. 6, fig. 87, pl. 7, figs. 91–102, pl. 8, figs. 125–130; 1899, 103; 1896, 147, 166 (*richiardi*).—Ofenheim, 1900, 147, 153, 156, 160, 163, 164, 169, 174.—Shipley & Hornell, 1905, 54, 55 (in *Rhinodon typicus*).—Sons., 1890, 135 (*richiardi*).—Stiles, 1896, 205.
- rigens* Linst., 1878a, 282 (in *Scymnodon ringens*) [apparently lapsus for *Dist. ligula* Ben., 1871a, 12], 360 (*ringens*).—Ariola, 1899, 8.—Mont., 1893, 53.
- ringens* Rud., 1819a, 101, 385 (in *Picus tridactylus*; *Mus. Vien.*).—Braun, 1893a, 877; 1893d, 467; 1901, 561, 568.—Dies., 1850a, 361 (syn. of *D. macrost.*).—Duj., 1845a, 444.—Linst., 1903, 354.—Stoss., 1892, 184 (syn. of *D. macrost.*); 1898, 23.—Schlotthauber, 1860, 130.
- ringens* Linst., 1878a, 360, see *rigens*.
- ringeri* Cobbold, 1880, 139–140, pl. 10, figs. 1–3 (*Homo*); 1884g, 976.—Anders, 1903, 6 ed., 1245 (syn. of *D. pulmonale*).—R. Bl., 1888a, 627–630, 631, fig. 326; 1891, 610 (syn. of *D. westermanni*).—Braun, 1893a, 876, 877, 882; 1901e, 332; 1903, 3 ed., 155 (syn. of *Paragonimus westermanni*); 1906, 161.—Brunet, 1902a, 125.—Chedan, 1886a, 241–244.—Coplin, 1898, 339–340.—Dunglison, 1893, 338.—Eyles, 1887a, 660.—Gamb., 1896a, 63.—Giard & Billet, 1892a, 614.—Hackley, 1886, 519.—Hahn & Lefèvre, 1884a, 546–548 (syn. of *D. pulmonale* Bætz).—Huber, 1896a, 576 (syn. of *D. pulm.*).—Ijima, 1889b, 148.—Inouye, 1897c, 1–4 (in *brain*); 1903a, 120–135; 1904a, 617–618.—Jackson, 1888a, 653.—Katsurada, 1900, 506.—Linst., 1889, 3; 1890f, 178.—Lockwood, 1901, 2 ed., 821.—Looss,

## DISTOMA—Continued.

- 1905, 84 (syn. of *Par. westermanni*).—Manson, 1880, Aug., 139–140, pl. : figs. 1–3; 1881, 8–9; 1881, July 2, 10–12, figs. 1–9; 1882, 55–62, figs. 1–25; 1882, July 8, 42–45; 1883, Mar. 31, 532–534; 1883, 1813; 1883, 134–138, 138–156, p. 8–9; 1886, 241–244; 1893, 852–860, fig. 79; 1901, 541; 1903, 3 ed., 631 (syn. *Par. westermanni*).—Moniez, 1896, 144.—Mont., 1893, 155.—Mosler & Peip, 1894, 178.—Mouye (1904), v. 1 (1–2); 1904, v. 2, 144.—Packard, —, 523. Rail., 1886, 296.—Rail. & Marotel, 1898, 31.—Simon, 1897, 259.—Sons., 1817, 18, 19, 20, 21.—Stiles & Tayler, 1902a, Apr. 19, 45.—Stoss., 1892, 32 (syn. of *Mesogonimus pulmomale*).—Taniguchi, 1903, Dec., 100.—Ward, 1895, 2 (syn. of *D. westermanni*), 328 (in *Homo*), 341 (in *Canis familiaris*); 1903, 8 (syn. of *Par. westermanii*).—Yamagiwa, 1891, 5 Jan., 36–41; 1892, 446. In tiger.
- ringers* Rev. Sci., 1890, 189, misprint for *ringeri*.
- robustum* Lorenz, 1881a, 583–586, pl. 19 (in *Elephas africanus*), figs. 1–6.—Braun, 1892a, 593, 603.—Mont., 1893, 82, 105, 106, 107.—Stoss., 1892, 18 (in *El. afr.*)
- rochebruni* Poir., 1886, 36–37, pl. 4, figs. 4–5 (*Delphinus delphis*).—Braun, 1892, 673 (*rochebrunni*); 1893a, 875, 910; 1893, 354; 1900g, 251, 252, 253.—Loc, 1894a, 204; 1899b, 560 (to *Brachycladium*).—Mont., 1893, 44, 107.—Stil, 1895m, 219, pl. 8, figs. 4, 5.—Stoss., 1892, 11 (to *Cladocelium*).
- rochebrunni* Braun, 1892a, 637, for *rochebruni*.
- rosaceum* Nord., 1832a, 82–88, pl. 8, figs. 1–5, 11 (in *Gadus lota*; October); 18617, 620 (syn. of *Fasc. eriocis*).—Ben., 1858a, 1861a, 99, 100 (syn. of *D. te ticolle*).—Braun, 1892a, 653, 757.—Cobbold, 1860a, 26; 1879b, 458.—Cre, 1837, 313, 314, 318, 321, 323.—Dies., 1850a, 364.—Harz, 1881c, 5.—Kroy, 1838–40a, 609 (in *Lota vulgaris*).—Looss, 1894a, 5, 6 (syn. of *D. teret.*). Moul., 1856a, 49 (seems to be only a var. of *teret.*).—Stoss., 1886, 25; 1838.—Wagener, 1857, 25.
- rosarum* Cobbold, 1860a, 21; misprint for *rosaceum*.
- rosea* Ben., 1870, 1871a, 90, pl. 4, fig. 10 (in *Petromyzon omalii*; Belgium) Linst., 1878a, 290 (in *P. fluviatilis*).
- rubellum* Ols., 1868, 40, pl. 4, fig. 89 (in *Labrus maculatus*; Scandinavia) Braun, 1892a, 579; 1893a, 910.—Looss, 1899b, 618; 1901d, 399.—Luche, 18537.—Odh., 1902, 59, 61.—Staff., 1905, Apr. 11, 692.—Stoss., 1886, 20.
- rubens* Duj., 1845a, 411 (in *Sorex fodiens*, *S. tetragonurus*; Rennes) (to *Brac laimus*).—Braun, 1901e, 342, 344 (syn. of *D. exasperatum* Rud.).—Cobbo, 1860a, 6; 1879b, 296.—Dies., 1850a, 334–335 (in *Sorex daubentonii*; Rhedor Stoss., 1892, 15 (syn. of *D. exasp.*).
- [*rubrum* Savigny, —, 176 (a tunicate).]
- rude* Dies., 1850a, 360–361 (in *Lutra brasiliensis*; Brazil); 1855, 66–67, pl. 3, f. 9–10; 1858e, 341.—Braun, 1892a, 735; 1893a, 876, 877; 1899g, 492; 1901e, 3329, 332, figs. 12, 15, 17 (to *Paragonimus*).—Cobbold, 1860a, 7; 1859d, 31879b, 298.—Kerbert, 1878a, 272.—Lamoureux, 1824, 563 [*Distome rude*] Stiles & Hass., 1900a, 604 (to *Paragonimus*).—Stoss., 1892, 36 (in *Lut. bra*)
- rufoviride* Rud., 1819a, 110, 406–407 (in *Muraena conger*; Naples, July).—Bell ham, 1844a, 425.—Ben., 1858a, 1861a, 178, 181, 189, 193, 195.—Braun, 18924 (in *Uranoscopus scaber*); 1892a, 705; 1893a, 879.—Carus, 1884, 125.—Cobbold, 1860a, 22 (in *Conger vulgaris*).—Dies., 1850a, 342, 371, 372 (includ. *D. varium* Eysenhardt) (in *Capros aper*, Naples; *Labrax lupus*, Rhedo Saurus saurus, Naples); 1858e, 342 (in *Cong. vulg.*).—Duj., 1845a, 421 Jackson, 1888a, 647.—Kroyer, 1846–53a, 615 (in *Anguilla conger* L.) Lander, 1904a, 7 (to *Lecithochirium*).—Levin., 1881a, 60.—Linst., 18515–517, pl. 42, 43, figs. 1–4; 1901, 415, 418, 455.—Linst., 1903, 354.—Loc, 1899b, 640 (to *Hemirurus*).—Luche, 1901, 58; 1901, 474, 476.—Mol., 1858, 11859, 827, 841, 844 (in *Scorpæna porcus*, *S. scrophæ*, *Anguilla vulgaris*, *Labr lupus*, *Trigla corax*); 1861, 205–209, pl. 2, figs. 1, 2, 4, 5.—Mont., 1888a, 7, 17; 1891, 497, 500, 502.—Ols., 1868, 49; 1876, 20.—Pag., 1862, 305, pl. : figs. 9–10.—Sons., 1891, 259, 261 (in *Rhombus lævis*, *Trigla cucullus*).—Stoe, 1883, 115 (in *Anguilla vulg.*); 1885, 159; 1886, 13 (= *D. caudiporum* Duj, 1890, 40, 50; 1891, 112; 1902, 582.—Wagener, 1860, 166, 178–181, 183, pl. figs. 6–10.—Also reported for *Acipenser sturio*, *Centronotus glaucus*, *Cep rubescens*, *Conger conger*, *Dactylopterus volitans*, *Roccus lineatus*, *Saur lacerta*.

## DISTOMA—Continued.

- saginatam* Ratz., 1898, Oct. 15, 73-75, fig. 5 (in *Ardea alba*); 1900, 437-439.
- salamandræ* (Frœlich, 1789) Zed., 1803a, 215 (in *Salamandra nigra*).—Dies., 1850a, 356 (syn. of *D. crassicolle*).—Rud., 1809a, 379 (syn. of *D. crassicolle*).
- salamandrinæ perspicillatæ* Sons., 1896, 1; 1896, 116 (in *Salamandrina perspicillata* Say).
- sanguineum* Sons., 1894, 111; 1894, 1-4 (n. sp. in *Chamaeleo vulgaris*; Gabes, Tunisia); 1895, 124.—Braun, 1899b, 718; 1900, 225.—Jacoby, 1900, 11.—Looss, 1896b, 106-114, pl. 7, figs. 69-74, pl. 8, figs. 75-78 (in *Taphosus nudiventris* at Cairo; caméléon in Egypt); 1899b, 556, 636, 637 (type of *Anchitrema*).—Ofenheim, 1900, 183.—Stoss., 1895, 217 (in *Camaleo vulg.*; Tunisia).
- sauromates* Poir., 1886, 24-26, pl. 2, figs. 4-6 (in lungs of *Elaphis sauromates*).—Braun, 1892a, 699, 736, 737; 1893a, 876 (*sauromatis*).—Looss, 1894a, 204.—Luehe, 1899, 532, 533; 1900, 561.—Mont., 1888a, 57; 1893, 83, 86, 95, 102, 107.—Sons., 1893, 185; 1893, 216.—Stoss., 1895, 220-221 (in *Elaphis sauromates*); 1904, 2.—Volz, 1899, 232, 234, 237.
- sauromatis* Braun, 1893, 876, for *sauromates*.
- scaber* Rud., 1819 of Odhn., 1905, 353, perhaps a *Stephanochasmus*.
- scabrum* (Mueller, 1788) Zed., 1803a, 215-216 (in *Gadus barbatus*).—Bellingham, 1844a, 427.—Ben., 1870, 61 to (*Echinost.*).—Carus, 1884, 126.—Cobbold, 1858b, 158; 1860a, 37.—Crep., 1837, 311.—Dies., 1850a, 393, 398 (in *Morrhua barbata*, *Lota molva*; Naples); 1858c, 351 (in *Merlangus pollachius*).—Duj., 1845a, 432-433.—Kroyer, 1838-40a, 605; 1843-45a, 41, 166 (in *Gadus morrhua*, *Lota molva*).—Looss, 1899b, 581, 582 (of Mueller, generically *Hemius*, specifically problematic) (of Rud., probably a *Stephanost.*).—Mont., 1891, 507, to (*Fasc.*).—Nicoll, 1907, 78.—Olfers, 1816, 46.—Rud., 1809a, 387, 406-408, 428, 435; 1810a, 376; 1819a, 118, to (*Echinost.*). 122, 124 (see also *scaber*).—Stoss., 1886, 34.—Also reported for *Gadus pollachius*, *Molva vulgaris*.
- scimna* Risso, 1826, 262 (also spelled *scymna* and *scymni* by various authors) (in *Echinorhinus spinosus*; Europe).—Ariola, 1899, 7 (*scymni*).—Dies., 1850a, 347 (syn. of *D. insigne*).—Mont., 1893, 52 (*scymni*).—Villot, 1876, 1344-1346; 1878, 3 (*scymna*).
- scombrinum* Linst., 1889a, 80, for *sobrinum*.
- scorpææ* Rud., 1819a, 122 (in *Scorpæna scrofa*; C. E. V.).—Barbagallo & Drago, 1903, 410 (in *Scorpæna lutea*; Catania) to (*Dicrocoelium*).—Braun, 1892a, 569, 642, 728.—Dies., 1850a, 398.—Looss, 1899b, 571 (this form as described by Stoss., 1885, 3, 5, belongs to the *Creadiinae*, possibly to *Creadium*).—Mont., 1893, 83, 84, 95.—Stoss., 1885, 158 (in *Scorpæna scrofa*; Trieste); 1886, 33; 1898, 49.
- scorpii* (Mueller, 1776) Zed., 1803a, 216.—Dies., 1850a, 366 (syn. of *D. granulum*) (in *Cottus scorpio*).—Rud., 1809a, 395.
- scymna* Villot, 1878, 3, for *scimna*.
- scymni* Mont., 1893, 52, for *scimna*.—Ariola, 1899, 7 (syn. of *D. veliporum*).
- scyphocephalum* Braun, 1899e, 630 (in *Testudo matemata*; Brazil); 1901b, 34-36, fig. 14.
- segmentatum* Mueller, 1894, 125-127, pl. 7, fig. 10, to (*Echinost.*).
- semiarmatum* Mol., 1858, 131 (in *Acipenser naccari*; Patavii); 1861, 223.—Braun, 1892a, 584.—Carus, 1884, 127.—Dies., 1858c, 352.—Odhn., 1902, 159.—Stoss., 1886, 42.
- semiflavum* Linst., 1880, 50-51 (in *Petromyzon fluviatilis*).—Stoss., 1886, 54.
- semisquamosum* Braun, 1900b, 228-229, pl. 10, figs. 6, 7 (in *Vesperugo noctula*).—Looss, 1907, Mar. 7, 483 (belongs in *Parabascus*).
- seriale* Rud., 1808a, 351 (in *Salmo alpinus*; Greenland); 1809a, 368-370 (in *Salmo alpinus*), includes *Fasc. umblæ*, 1780; 1819a, 97.—Braun, 1893a, 876; 1893d, 467.—Cobbold, 1860a, 23; 1879b, 457 (in *Salmo umbla*).—Dies., 1850a, 343 (includes *D. umblæ*; *Fasc. umblæ*).—Duj., 145a, 464.—Olfers, 1816, 45.—Stoss., 1886, 54.
- serpentatum* Mol., 1859, 830-831 (in *Sayris camperi*; Padua).—Par., 1896, 18-19, fig. 7 (to *Brachylaimus*).—Also reported for *Scomberesox rondeletti*.
- serpentulum* Carus, 1884, 131 (for *serpentatum*).—Stoss., 1886, 54.
- serratum* Dies., 1850a, 385 (in *Aranus scolopaceus*; Brazil); 1855a, 67, pl. 3, figs. 14-17; 1858e, 347.—Braun, 1892a, 571.—Stoss., 1892, 171.



## DISTOMA—Continued.

- sialidis* Linst., 1892, 334, pl. 15, fig. 20 (in *Sialis lutaria*).—Braun, 1893b, 183.
- sibiricum* Winogradow, 1892, 116–130 (in *Homo*); 1892, Nov. 30, 910–911; 1900, 617–618 (in *Man*).—Anders, 1903, 6 ed., 1245 (in *man*).—Askanazy, 1900, 491, 492, 494; 1901, 73, 77 (in *Tomsk*, in *Homo*, dog, cat).—Bossuat, 1902, v. 6 (2), 188 (syn. of *Opisthorchis felineus*).—Braun, 1894g, 128–129; 1894h, 755; 1894i, 602–606; 1903, 3 ed., 157 (syn. of *Op. fel.*), 159, fig. 106.—Huber, 1896a, 576.—Kamensky, 1900a, 5, 19.—Katsurada, 1900, 500.—Kholodk., 1899a, 152.—Looss, 1899b, 674; 1905, 89 (syn. of *Op. fel.*).—Moniez, 1896, 137, fig. 27.—Simon, 1897, 209, 223.—Ward, 1895, 328 (in *Homo*); 1903, 869 (syn. of *Op. fel.*).—Weichselbaum, 1898, 315.
- siemensii* Buttel-Reepen, 1900a, 586, 589, 596–598, figs. 8–9 (in *Sphyræna barracuda*; Atlantic Ocean); 1902, Dec. 8, 165–236, pl. 6, fig. 26, pl. 10, fig. 54, text fig. h; 1904, Jan. 26, 24–25; 1905, July, 52–53.—Darr, 1902, 668, 671.
- signatum* Duj., 1845a, 415–416 (in *Coluber natrix*; Rennes) to (*Brachylaimus*.—Braun, 1891, 100; 1892a, 780, 784, 785; 1893a, 864, 866, 873; 1901b, 13, 16 (of *Erc.*, syn. of *D. ercolanii* Mont.).—Cobbold, 1860a, 20.—Dies., 1850a, 390 (in *Tropidonotus natrix*); 1858e, 350 (in *Tropidonotus*).—Gamb., 1896a, 72.—Hoyle, 1890, 538.—Kampmann, 1894b, 454, 456, 457, pl. 20, fig. 10.—Linst., 1879, 185.—Looss, 1899b, 706.—Luehe, 1899, 528 (of *Erc.*, not Duj.).—Mont., 1893, 187, 188.—Mueh., 1898, 30.—Schauinsland, 1882, 496.—Sons., 1893, 186.—Stoss., 1895, 216–217; 1898, 34.—Volz, 1899, 235, 237.—Wedl, 1855, 400–401, pl. 2b, fig. 8.—West, 1896, 323.—Also reported for *Natrix torquata*.
- signatum* of *Erc.*, 1881c, 73, 74, 75, 76, 78, 79, 81, 82; 1882a, 309, 310, 311, 312, 314, 315, 317, 318, pl. 2, figs. 2–5 (in *Tropidonotus natrix*), renamed *D. ercolanii* by Mont., 1893, 187, 188, pl. 6, fig. 67.—Braun, 1901b, 13, 16.—Luehe, 1899, 528.—Par., 1904, 1.—Stoss., 1904, 1.
- simile* Sons., 1890, 105 (in *Python molurus*); 1893, 215, 216; 1893; 185 (in *Py. mol.*); 1893, 499.—Looss, 1899b, 602.—Luehe, 1899, 532.
- simile* Looss, 1899b, 602 (see *Hæmatolæchus similis*).—Stiles, 1901, 178.—Stiles & Haas., 1902d, 20 (renamed *Hæmatolæchus similigenus*).
- simillimum* Mueh., 1898, 18 (in *Fuligula nyroca*); 1898, 26, 96–97, 98, figs. 4, 19.—Braun, 1902b, 11, 18.—Looss, 1899b, 574 (to *Psilost.*).
- simplex* Rud., 1809a, 370–371 (in *Gadus æglefinus*), Fasc. æglefini Mueller, 1776, renamed; 1819a, 97.—Braun, 1892a, 642, 699, 711, 728, 736; 1893a, 866, 879.—Cobbold, 1858b, 157.—Dies., 1850a, 343–344.—Duj., 1845a, 466.—Kroyer, 1838–40a, 606 (in *Gadus æglefinus*).—Lamouroux, 1824a, 563 (distome simple).—Levin., 1881a, 18, 67–69, pl. 3, fig. 1 (of *Ols.*, syn. Fasc. æglefini) (larva in *Themisto libellula*; adult in *Cottus scorpius*; *Phobetor ventralis*; *Egedesminde*); 1876, 15.—Lint., 1898, 525–526, pl. 47, figs. 3–7; 1900, 295; 1901, 415 (*Hemitripterus americanus*, *Leptocephalus conger*, *Limanda ferruginea*, *Microgadus tomcod*), 420, 436, 451, 468, 475, 482, 483, 485, 486, figs. 331, 332; 1905, 328, 334, 397 (in *Micropogon undulatus*).—Linst., 1889a, 97 (in *Conger vulgaris*).—Mont., 1893, 61, 83, 86, 94, 102, 105, 106, 107.—Nicoll, 1907, 70, 73 (of *Ols.*, syn. of *Podocotyle atomon*).—Nord., 1840, 619 (syn. of Fasc. æglefini).—Odhn., 1901, 484, 485, 506, 508, 509, 510, 511, 512, 513; 1905, 320–321 (of *Ols.*, syn. of *Podocotyle atomon*) (to *Sinistroporus*, designated type in letter to Stiles, May 15, 1905).—Olfers, 1816, 45.—Ols., 1868, 34; 1876, 15.—Staff., 1904, 484.—Stoss., 1886, 30–31 (in *Anguilla vulgaris*, *Cottus scorpius*, *Gadus æglefinus*, *G. melanostomus*, *Lota vulgaris*, *Phobetor ventralis*, *Raniceps niger*, *Sebastes norvegicus*); 1902, 582.—Also reported for *Conger vulgaris*.
- simplex* Rud. of *Ols.*, 1868, 34; 1876, 15.—Levin., 1881, 67–69 (syn. Fasc. æglefini) (larva in *Themistone libellula*; adult in *Cottus scorpius*, *Phobetor ventralis*; *Egedesminde*).—Odhn., 1905, 320–321 (syn. of *Podocotyle atomon*).
- simpler* Polonio, 1859, teste Par., 1894, 147 (in *Lacerta muralis*; Padua).
- simulans* Looss, 1896b, 52–54, pl. 4, figs. 28–30 (in *Pernis apivorus*; Alexandria); 1899b, 673 (to *Opisthorchis*).—Jacoby, 1900, 7.
- sinense* Cobbold, 1875i, Sept. 18, 423 (in *Homo*); 1875, Oct., 780–781; 1876, 97 (same as *chinense* and *macconnelli*); 1877, Jan., 15–16; 1883, 401; 1884g, 976.—Bætz, 1883, 234.—Biggs., 1890a, 30–37, 1 fig. (in *U. S. A.*).—Billet, 1893a, 506–510, figs. 1–2 (syns.: *D. hepatis perniciosum*, *D. hepatis innocuum*, *D. japonicum*).—R. Bl., 1888a, 585, 596, 615–618 (syn. *D. spatulatum* Leuck.), 622 (similar to *D. japonicum*), 631; 1891, 605, 607–609, 610 (syns.:

## DISTOMA—Continued.

- D. japonicum* Bl., *D. hepatitis endemicum* sive *perniciosum*, *D. hepatitis innocuum*; 1901b, 209; 1901c, 586 (to *Opisthorchis*).—Braun, 1891d, 426; 1893, 349, 352, 353; 1893a, 875; 1893f, 386, 425, 427, 428; 1894i, 605; 1895b, 146–147, figs. 63–64; 1903, 3 ed., 161 (to *Opisth.*).—Bruce, 1897a, 211–212.—Brunet, 1902a, 125.—Caras, 1888a, —, pl. 2 (liver flukes of man in Orient); 1888, 44 pp., 4 figs.—Chester, 1887a, 360.—Corlette, 1897a, 146–147 (Australia).—Delafield & Prudden, 1897, 130.—Gamb., 1896a, 63, 70.—Giard, 1904, 8.—Grall, 1887a, 468, 1 fig; 1887, xlviii.—Hackley, 1886, 518–519, fig. 883.—Hahn & Lefèvre, 1884a, 544–545 (syns. *D. spatulatum* Leuck., *D. hepatitis innocuum* Bætz).—Hori, 1890.—Huber, 1896a, 577 (syn. of *D. spatulatum* Leuck.).—Ijima, 1889b, 145.—Jamieson, 1897a, 71–74, 1 fig. (jaundice); 1897b, 147–148.—Janson, 1893c, 265–266.—Katsurada, 1891; 1900, 479.—Kholodk., 1898, 26, 28, pl. 11, figs. 6–9; 1899a, 152.—Kuech., 1881, 333–335, pl. 8, fig. 10A.—Kurimoto, 1893a, 1–7, 21–24, 35–39, 1 pl. (in Saga, Japan); 1893b, 67–69, 85–87, 109–111.—Linst., 1903, 279.—Looss, 1905, 90 (to *Opisth.*); 1907, Feb. 1, 136, 137, 141, 142, 143, 144, 147.—MacGregor, 1877, 3–16, 1 pl.—McConnell, [1875, 271–274; 1876, 343 (sineuse); 1878, March 16, 406 (m'connelli)].—Manson, 1901 (Gibson), 540; 1903, 3 ed., 631, 635–637, 639.—Moniez, 1896, 86, 123, 125–136, 137, fig. 25 (excellent discussion).—Mosler & Peiper, 1894, 177–178, fig. 70 (sineuse).—Moty, 1893, March 3, 224–230 (pathology).—Nakahama, 1883, —.—Pfihl, 1884, 156.—Rail., 1890, 142, 143.—Remy, 1883, 513.—Schneidmuehl, 1896, 302.—Simon, 1897, 223.—Sons., 1889, 278, 279, 280; 1889, 7 July, —; 1896, 297, 302.—Staff., 1902, 483 (to *Opisth.*).—Stoss., 1892, 23 (syn. of *D. endemicum*).—Taylor, 1875, 772–780, figs. 1–3; 1884, 48–51, 52–53; 1885, 58–60.—Tyson, 1903, 3 ed., 1180.—Vallot, 1889, 382.—Ward, 1895, 238 (man, cat), 328 (in Homo); 1903, 869 (to *Opisth.*).—Weichselbaum, 1898, 315.—White, 1902, Dec., 523 (cases in U. S. A.).—Wood & Fitz, 1897, 335.
- sineuse* Mosler & Peiper, 1894, 177–178, fig. 70 (for sineuse).
- sineuse* of McConnell, 1876, 343 (misprint for sineuse).
- singulare* Mol., 1859, 288 (in *Ibis falcinellus*); 1861, 200–201, pl. 2, fig. 6, pl. 3, fig. 3.—Braun, 1891d, 421; 1892a, 578, 700, 736, 737; 1901, 260; 1901, 896; 1902b, 86 (syn. of *Stomylotrema pictum* Crep.).—Dies., 1859c, 428 (in *Ibis falcinellus*; Patavii).—Looss, 1899b, 723 (type of *Stomylus*).—Stoss., 1892, 162.
- singulare* Mol. of Looss, 1899b, 723.—Braun, 1902b, 86 (renamed *Stomylotrema perpastum*).
- sinuatum* Rud., 1819a, 97–98, 374 (in *Ophidium imberbe*; Naples).—Braun, 1883a, 41; 1891d, 421; 1892a, 672, 763, 765.—Carus, 1884, 131.—Cobbold, 1860a, 25.—Dies., 1850a, 344 (in *Fierasfer imberbe*).—Duj., 1845a, 468.—Odhn., 1901, 484, 490, 491; 1902, 160.—Par., 1902, 6 (in *Ophidium barbatum*; Portoferraio).—Stoss., 1886, 55.—Will.-Suhm, 1870, 7–8; 1871, 181–182, pl. 11, fig. 6.—Also reported for *Fierasfer acus*.
- siredonia* Poir., 1886, 32–33, pl. 3, figs. 4–5 (in *Siredon mexicanus*, int.).—Looss, 1894a, 204, to *Opisthioglyphe*.—Mont., 1893, 83, 86, 102, 107.
- sirenis* Braun, 1893a, 870 for *sirenis lacertinae* Vaillant.
- sirenis lacertinae* Vaillant, 1863, 348–350, pl. 9, fig. 9 (in *Siren lacertina*).—Stoss., 1889, 69.
- sluiteri* (Brock, 1886) Braun, 1892a, 651.
- sobrinum* Levin., 1881a, 70–71 (in *Cottus scorpius*; Egedesminde).—Looss, 1899b, 581 (to *Stephanost.*).—Odhn., 1905, 331 (to *Stephanochasmus*).—Also reported for *Aspidophorus decagonus*.
- soccus* Mol., 1858, 129 (in *Mustelus plebejus*; Patavii); 1861, 203.—Ariola, 1899, 7 (syn. of *D. megastomum*).—Braun, 1893a, 873.—Dies., 1858e, 351 (in *Mustelus plebejus*).—Jacoby, 1900, 17.—Linst., 1903, 354.—Mont., 1893, 53, 192, 193.—Stoss., 1883, 118; 1890, 131; 1898, 38.
- sociale* Luehe, 1901p, 171–173 (in *Bufo melanostictus* Schneider).—Braun, 1901h, 700.—Klein, 1905, 20, 78.—Odhn., 1902, 42.
- solea* Duj., 1845a, 417–418 (in *Pleuronectes solea*; Rennes) to (*Brachylaimus*).—Dies., 1850a, 399.—Kroyer, 1838–40a, 612 (in *Solea vulgaris*).—Mont., 1893, 193.—Stoss., 1886, 55.—Wagener, 1860, 184.
- soleaforme* Rud., 1809a, 384 (in *Trigla gurnardus*) (*D. triglae gurnardi* renamed); 1819a, 104.—Braun, 1893a, 873.—Cobbold, 1860a, 26.—Dies., 1850a, 362.—Duj., 1845a, 457.—Fraip., 1881b, 4 (in *Tr. gur.*).—Kroyer, 1838–40a, 100 (in *Tr. gur.*).—Olfers, 1816, 45.—Stoss., 1886, 55.

## DISTOMA—Continued.

- soleare* Braun, 1899e, 629–630 (in *Testudo midas*); 1901b, 22–23, fig. 8.
- somateriæ* Levin., 1881a, 71–73, pl. 3, fig. 2 (in *Somateria mollissima*; Egedesminde).—Braun, 1892a, 578, 579, 586, 642, 735; 1893a, 893, 910.—Giard, 1903g, 1225.—Jägers., 1898, 15, 16; 1900, 738.—Jameson, 1902a, 140–166, 4 pls., 3 figs.—Linst., 1890, 179.—Looss, 1894a, 173; 1899b, 618, 619; 1901, 207.—Lucbe, 1898, 624, 625; 1899, 537.—Mont., 1888a, 12, 38; 1893, 43, 61 83.—Odh., 1900, 12, 13; 1905, 311 (to *Gymnophallus*), 313.—Staff., 1905 Apr. 11, 692.—Stoss., 1892, 146.
- sophiæ* Stoss., 1886, 44–45, pl. 8, figs. 34–35 (in *Pagellus mormyrus*; Trieste); 1898 49–50.—Braun, 1892a, 644, 720, 728.—Looss, 1899b, 571 (thinks this belong to *Creadiina*, possibly to *Creadium*); 1902m, 785 (cf. *D. isoporum armatum*).—Mont., 1893, 85, 94, 102.—Odh., 1905, 328, 338.
- soricis* Dies., 1858e, 354 (in *Sorex araneus*) (based on *Distome* (*Dicrocoelium*) de l' Musraigne-Musette Pontaillié, 1853, 103).—Braun, 1893a, 875.—Cobbold 1860a, 9.—Stoss., 1892, 36 (in *Crocidura aranea*).
- soricis aranei* Dies., 1855, 64, footnote 3, to (*Dicrocoelium*).
- spari* Rud., 1819a, 122 (in *Sparus erythrinus*, *S. smar*; C. E. V.).—Dies., 1850a 399.—Stoss., 1886, 55 (in *Pagellus erythrinus*, *Smaris vulgaris*).
- spathaceum* Rud., 1819a, 109, 403 (in *Larus glaucus*; Mus. Vien.).—Baird, 1853a 48.—Crep., 1837, 310; 1839, 287.—Dies., 1850a, 310 (to *Hemist.*).—Nitzsch 1819, 400.—Nord., 1840, 628 (to *Holost.*).
- spathulatum* Leuck., 1876, 871–872 (nec Crep., 1849) see *Opisthorchis sinensi* (see also *D. spatulatum*) (in *Homo*); 1889, 336–355, figs. 154–161.—R. Bl. 1888a, 615 (syn. of *D. sinense*); 1901b, 209; 1901c, 586 (syn. of *Op. sin.*).—Brand., 1891b, 265; 1891c, 731; 1891d, 11.—Braun, 1883a, 65; 1892a, 598, 602 641, 661, 669, 671, 682, 699, 700, 704, 707, 712, 714, 717, 719, 724, 725, 732, 733 784, 785; 1893, 349; 1903, 3 ed., 161 (syn. of *Op. sin.*).—Cobbold, 1876, 97 1883, 401.—Duffek, 1902a, 774.—Gamb., 1896, 63.—Hahn & Lefèvre, 1884a 544 (syn. of *D. sinense* Cobb.).—Harz, 1881c, 5.—Huber, 1896a, 577–578.—Ijima, 1889b, 145.—Inoue, 1900a, 1–60, 18 charts; 1903, 107–146.—Jamieson 1897b, 147 (*spatulatum*) (syn. of *D. sinense*).—Katsurada, 1891b, 1–12, 1 pl (case of *cystoma hepatis*); 1898a, 165–167 (relation to gallstones); 1900b 479–505, pl. 13, figs. 1–13; 1900c; 1901a, 169–174; 1902a, 50–52; 1904, v. 2 (3) 22; 1904, Dec., 148 (in cats and dogs).—Laspeyres, 1904a, 16 pp. (case).—Looss, 1894a, 180, 186, 206, 212, 214; 1899b, 564; 1905m, 280 (syn. of *Op. sin.*) 1905, 90 (syn. of *Op. sin.*); 1907, Feb. 1, 141 (syn. of *D. sinense*).—MacGregor 1877, May 26, 775–776 (in *Homo*).—Mont., 1888a, 39, 52 (*spatulatum*), 57 1891, 110; 1893, 83, 84, 86, 95, 102, 105, 106, 107.—Mosler & Peiper, 1894 177.—Rail., 1890, 143.—Saito, 1898, June 5, —; 1906, Sept. 10, 133–138 figs. 1–10; 1906, Sept. 20, 1555.—Sons., 1889, 278 (*spatulatum*).—Vogt, 1878 10, 14.—Ward, 1903, 870 (syn. of *Op. sin.*).—Yamagiwa, 1891, 5 March; 1901 xxx, 155–168, fig. 1.
- spathulatum* Rud. (nec Leuck.) of Crep., 1837, 310; 1839, 287; 1849, 66–67.—Braun 1901b, 29.—Kowal., 1896d, (3), 253 (in *Botaurus minutus*; Dublany). t (*Echinost.*) for *spatulatum*; 1902d (9), 27 (to *Sodalis*).—Looss, 1902m, 462.
- spathulatum hepatis* Simmonds, 1901, 110–111.
- spatula* Duj., 1845a, 394 (in *Accentor modularis*; Rennes) to (*Dicrocoelium*).—Dies., 1850a, 336.—Stoss., 1892, 156.
- spatulatum* Rud., 1819a, 109, 403–404, 600 (in *Ardea minuta*; Vienn. Mus.).—Bremser, 1824c, pl. 9, figs. 15–16.—Crep., 1829b, 4.—Dies., 1850a, 367 (t *Holost.*).—Duj., 1845a, 376.—Harz, 1881c, 5.—Nitzsch, 1819, 400.—Nord. 1840, 628 (to *Holost.*).—Stoss., 1892, 186 (in *Ardetta minuta*; Vienna).—Als reported for *Botaurus minutus*.
- spatulatum* Cobbold, 1879b, 28 (for *spathulatum* Leuck.).—Aschoff, 1892, 495.—Askanazy, 1900c, 712.—Hoyle, 1890, 538.—Huber, 1896a, 277–278.—Jamieson, 1897b, 147.—Mont., 1888, 52.—Simon, 1897, 209, 223.—Stoss., 1892, 2 syn. of *D. endemicum* Bälz).—Ward, 1895, 328 (in *Homo*).
- spatulatum* (*endemicum*) Anders, 1903, 6 ed., 1245 (in man).
- species Barbagallo & Drago, 1903, 410 (in *Mugil cephalus*; Catania).
- species Barbagallo & Drago, 1903, 410 (in *Julis pavo*; Catania).
- species Barbagallo & Drago, 1903, 410 (in *Trachurus trachurus*; Catania).
- species Duncker, 1881d, 141; 1884a, 39–42, figs. 1–6.

## DISTOMA—Continued.

- species Heymann, 1905, 96–98, figs. A. B.  
 species Johnstone, 1907, 186–188, fig. 17 (in *Labrus mixtus*; Morecambe Bay).  
 species Kellicott, 1894, 123–126.  
 species Nicoll, 1907, 70, 92 (in *Cottus scorpius* Bloch).  
 species Nicoll, 1907, 71, 91–92, pl. 3, fig. 12, pl. 4, fig. 13 (in *Cottus bubalis*)  
 species Nicoll, 1907, 71, 92 (in *Gobius ruthensparri*).  
 species Nicoll, 1907, 72 (in *Pleuronectes microcephalus*).  
 species Sons., 1890, 105, t. h. *Python molurus*.  
*sphaerostomum* Schlotthauber, 1860, 130 (in *Corvus caryocatactes*).  
*spharula* Looss, 1896b, 81–86, pl. 6, figs. 59–60 (in *Rhinolophus hipposcrepis* Bonap.; Ghizeh); 1898, 454, 456, 457, figs. I, VI; 1899b, 547.—Stiles, 1901, 200.  
*spiculator* Duj., 1845a, 424–425 (in *Mus decumanus*; Rennes) to (Echinost.).—Braun, 1901c, 340.—Cobbald, 1879b, 316.—Dies., 1850a, 382.—Erc., 1881e, 15; 1882a, 251.—Linst., 1886, 128–131, pl. 9, figs. 28–29; 1890, 184.—Stoss., 1892, 28 (to Echinost.).  
*spiculigerum* Mueh., 1898, 18–19 (in *Fuligula nyroca*); 1898, 4, 26, 97–100, fig. 18.—Braun, 1902b, 11, 15 (to *Psilost.*), 16 (syn. of *D. oligoon*), 18, 155.—Looss, 1899b, to *Psilost.*  
*spiniceps* Looss, 1896b, 114–118, pl. 8, figs. 79–80 (in *Bagrus bayad*; Cairo); 1899b, 578, 581 (type of *Acanthost.*).—Braun, 1899, 630; 1901b, 34.  
*spinosum* Linst., 1880, 51 (in *Sylvia rufa*).—Braun, 1892a, 696, 733.—Looss, 1894a, 175.—Luehe, 1899, 531 (thinks this is perhaps *D. cirratum*).—Stoss., 1892, 162.  
*spinulosum* Rud., 1808a, 458; 1809a, 425 (in *Larus cinerarius*, *L. naevius*, *Colymbus septentrionalis*; Greifswald, July, August) to (Echinost.); 1819a, 116 (in *Colymbus cristatus*; Mus. Vien.), 419.—Baird, 1853a, 56.—Bellingham, 1844a, 426.—Braun, 1892a, 575; 1893a, 879.—Crep., 1837, 316; 1846, 141, 144, 146.—Dies., 1850a, 392; 1858e, 350, 351 (in *Numenius arquatus*; *Anas clangula*; *Larus capistranus*; *L. ridibundus*; *Podiceps cristatus*).—Duj., 1845a, 430.—Linst., 1877, 183, pl. 13, fig. 14.—Mol., 1858, 130–131; 1861, 220–221, pl. 3, fig. 6, pl. 4, fig. 2.—Mueller, 1897, 20–21, pl. 3, fig. 4.—Nord., 1832a, 90, 102.—Olfers, 1816, 47.—Stoss., 1892, 64 (in *Larus ridibundus*; Trieste); 1892, 169 (to Echinost.).—Reported for *Anas boschas fera*, *A. marila*, *A. querquedula*, *Carbo graculus*, *Ceryle rudis*, *Colymbus cristatus*, *C. septentrionalis*, *Halieus graculus*, *Uria grylle*).  
*spinulosum* Hofmann, 1899a, 184, 193, 201.—Braun, 1899, 492 (in *Erinaceus europæus* to Harmost.; 1900, 12; 1901e, 338 to Harmost., 341.—Looss, 1899b, 689.  
 “*spinulosum*” of Mol., 1861, pl. 4, fig. 2 (is not *E. spinulosum*, see Looss 1899b, 689, but perhaps a *Stephanost.*).  
*spirale* (Dies., 1850) Brand., 1892, 507.—Braun, 1899, 631–632; 1901b, 54.—Stoss., 1895, 232 (in *Peltocephalus tracaxa*, *Testudo tabulata*, *Hypsilopus tuberculatus*).  
*spirale* Fil., see Par., 1896, 2 (in *Dentex vulgaris*).  
*squamata* Kerbert, 1881a, 556 (in *Rana temporaria*) for *squamula*.  
*squamosum* (Villot, 1878) Brand., 1890a, 577.—Braun, 1892a, 569, 735.  
*squamula* Rud., 1819a, 103, 391 (in *Mustela putorius*; Mus. Vien.).—Baird, 1853a, 52.—Brand., 1892, 506.—Braun, 1890a, 439; 1892a, 567, 568, 571, 628, 636, 637, 638, 640, 641, 642, 647, 648, 655, 678; 1893a, 866, 871, 880.—Bremser, 1824, pl. 9, figs. 9–10.—Crep., 1837, 326; 1839, 288.—Dies., 1850a, 321 (to Monost.) (in *Mustela putorius*; Toulouse).—Duj., 1845a, 406, type of *Eurysona*.—Fraip., 1880a, 398; 1880b, 106; 1880c, 419, 420–429, 430, 432, 433, 441, 442, 443, pl. 18, figs. 1–17 (in *Rana temporaria*, larva; *Mustela putorius*, adult); 1881b, 1, 3, 4, 14; 1883a, xxxvii.—Gamb., 1896, 72.—Jackson, 1888, 645.—Kampmann, 1894b, 446, 448.—Levin., 1881a, 75.—Linst., 1873, 99.—Looss, 1885b, 20.—Maddox, (1867a), 87–99 (in *Morrhua seglefinus*).—Mont., 1888a, 7, 41, 43, 45; 1893, 62.—Poir., 1885, 102.—Stiles & Hass., 1898a, 88, 98 (type of *Eurysona*).—Stoss., 1892, 20 (in *Putorius putorius*; *Putorius vulgaris*; Vienna, Tolosa).—Zeller, 1867, 21 Mar., 213–220, pl. 13, figs. 1–4 (in grass frog).—Also reported for *Fœtorius putorius*.

## DISTOMA—Continued.

- sternæ cantiacæ* Dies., 1858e, 355 (in *Sterna cantiaca*), based on LaValette, 9, 37, pl. 1, figs. 15, 1. 2., and Moul., 1856, 102.—Stoss., 1892, 186.
- stossichii* (Mont., 1891) Braun, 1891d, 423 (= *D. ocreatum* Mont.) (in *Clupea pilchardus*); 1893a, 911.
- stridulæ* Reich, 1801, 371–386 (in *Strix stridula*).—Brand., 1888a, 9.—Dies., 1850a, 386.—Pulteney, —, 371.—Rud., 1809a, 423 (renamed *D. apiculatum*).
- sturionis* Rud., 1809a, 435 (in *Acipenser sturio*: Arimini); 1819a, 118 (syn. of *D. hispidum*).—Baird, 1853a, 57.—Dies., 1850a, 392 (syn. of *D. hispidum*).
- subclavatum* (Gœze, 1782) Zed., 1800a, 164 (in *Rana*), 185–188.—Ben., 1858a, 1861a, 81, 82 (to *Amphist.*).—Brand., 1888a, 9.—Dies., 1850a, 318 (to *Diplo-discus*).—Rud., 1809a, 348.
- subflavum* Sons., 1892, 91–92 (in *Zamenis viridiflavus* Lacep.); 1893, 184.—Braun., 1893b, 185 (in *Z. virid.*).—Stoss., 1895, 216 (in *Z. virid.*; Pisa).—Volz, 1899, 235, 237.
- subtriquetrum* Nord., 1840, 616 [the sequence of names is *D. amphist.*, *D. subtriquetrum*, apparently a lapsus for *Amphist. subtriquetrum*].
- sulcatum* Linst., 1883, 309, pl. 9, fig. 51 (in *Perdix græca*; Turkestan); 1886, 33.—Braun, 1901, 941; 1902b, 119.—Stoss., 1892, 145 (to *Cladocœlium*).
- suspensum* Braun, 1901g, 948 (in *Corvus* sp.); 1902b, 11, 147.
- sygnoides* Nord., 1840, 617 for *D. cygnoides*.
- tacapense* Sons., 1894, 111–112; 1894, 2–6, 7 (in *Ch. vulg.*, *Rana esculenta*, *Bufo* sp.; Gabes in Tunis) to (*Brachycœlium*); 1895, 124 (in *Chamaeleo vulgaris*).—Looss, 1896b, 86–97, pl. 6, figs. 61–62, pl. 7, fig. 63 (in *caméléon*; Alexandria); 1898a, 460, 461, fig. 2; 1899b, 616, 617, 622 (syn. of *D. medians* Olss., based on reexamination of original slides).—Stoss., 1895, 215 (in *Ch. vulg.*; Tunisia).
- talpæ* Viborg, 1795, 242.—Rud., 1809a, 331, 390.
- tarda* Steenstrup, 1842, 75–76, pl. 3, figs. 1–6 (*Cerc. armata* Sieb., renamed) [name not mentioned in text].—Dies., 1850a, 298 (p. 138 of Steenstrup as syn. of *Cerc. armata*), 418 (p. 138, pl. 3, fig. 5e–g of Steenstrup as ? syn. of *Heptast. hirudinum*); 1855a, 381, 388 (syn. of *Cerc. (Xiphidioc.) armata*); 1858e, 366 (of 1850a, 418, syn. of *Tetracotyle typica*, new name).—Erc., 1881e, 21, 48, pl. 2, fig. 6; 1882a, 257, 284.—Fil., 1854a, 10, 15, 22.—Moul., 1856a, 150, 151, 201, 215, 226, 227, 230 (in *Lymnæus stagnalis*, *Planorbis corneus*).
- tartini* Stoss., 1899, 6, pl. 1, fig. 13 (in *Oblata melanura*; Trieste).
- tectum* Linst., 1873, 104, pl. 5, fig. 4 (in *Osmerus eperlanus*).—Odhn., 1905, 352, 353 (= *crenata* 1802, type of *Brachyphallus*).—Stoss., 1886, 55.
- tenere* Looss, 1898, 461 (" *D. tacapense* Sons.," of Looss, 1896, 86, misdetermined) to *Pleurogenes*.
- tenerum* Looss, 1899b, 616 to (*Pleurogenes*), 622.
- tenuæ* Lint., 1898c, 535–536, pl. 52, figs. 2–8 (in *Roccus lineatus*); 1900, 294; 1901, 415, 455, 468, 469, 479; 1905, 328, 334, 365, 370, 373, 374, 376, 379, 386, 391, 396, 399 (in *Caranx hippos*, *Centropristes striatus*, *Coryphæna equisetis*, *C. hippurus*, *Cynoscion nebulosus*, *Menticirrhus americanus*, *Micropogon undulatus*, *Orthopristis chrysopterus*, *Pomatomus saltatrix*, *Sciaenops ocellatus*).—Odhn., 1905, 331.
- tenuæ tenuissime* Lint., 1898c, 536–537, pl. 52, figs. 9–12 (in *Morone americana*); 1901, 415, 421, 456 (in *Roccus lineatus*, *Opsanus tau*).—Vaullegeard, 1901, 146.
- tenuicolle* Rud., 1819a, 93, 365–366 (in *Phoca barbata*, liver).—Braun, 1893, 353; 1893a, 875; 1893f, 426, fig. 4; 1901e, 314–315, 338; 1903, 3. ed., 157 (of Mueh., 1896, p. p., syn. of *Opisthorchis felineus*).—Cobbold, 1860a, 6–7; 1879b, 313.—Dies., 1850a, 336–337.—Duj., 1845a, 440, 444.—Jægers., 1898, 6.—Looss, 1899b, 530, 674.—Mueh., 1896, 589 (*D. felineum* as syn.); 1896, 257–262, figs. 4, 11; 1898, 16, 24, 87, 88, 89, 90, 95.—Odhn., 1905, 347 (*Rud. of Olss.*).—Olss., 1893, 9.—Stiles & Hass., 1894e, 428.—Stoss., 1892, 18–19 (in *Phoca barbata*).—Ward, 1903, 869 (syn. *Op. fel.*).—Reported for *Erignathus barbatus*, *Delphinus phocæna*, *Felis domestica*, *Halichoerus grypus*, *Phocæna phocæna*.
- tenuissime* (Lint., 1898) Vaullegeard, 1901, 145 (= *D. tenuæ tenuissime*).
- tereticolle* (Rud., 1802) Rud., 1809a, 379–381, 405 (in *Esox lucius*, *Perca lucioperca*, *Salmo trutta*); 1819a, 102, 122, 386, pl. 2, fig. 5, 600.—Ben., 1852, 24–29, 33, pl. 2, figs. 1–3; 1858a, 1861a, 98, 104, 174, 177, 178, 186, 189, 193, 206, pl. 8,

## DISTOMA—Continued.

- figs. 1-17 (syns. *D. rosaceum*, *D. lucii*, *Fasc. longicollis*, *F. lucii*, *Plan. lucii*); 1870c, 140, 141, 142.—Bettend., 1897a, 31; 1897, 335.—R. Bl., 1888a, 544, 545, 547.—Brand., 1888a, 41; 1890a, 570.—Braun, 1883a, 70; 1892a, 568, 574, 575, 644, 653, 727, 745, 747, 757, 761, 763, 768, 778, 779, 780, 781, 782, 784, 786, 787, 788, 789; 1893a, 872, 873, 879, 883, 911; 1901b, 33; 1901c, 314, 315, 338.—Bremser, 1824c, pl. 9, figs. 5-6.—Cobbold, 1860a, 21.—Crep., 1837, 310, 311, 313, 314, 316, 317, 318, 321, 322, 323, 325.—Creutzberg, 1890a, 21.—Dies., 1850a, 358 (syns. *D. lucii*, *D. truncatum* Abildg., *F. longicollis*, *F. lucii*, *Plan. lucii*); 1858d, 272 (larva ? *Rhopalocerca tardigrada*); 1858e, 340 (in *Esox estor*); 1859c, 429.—Duj., 1845a, 419-420.—Fil., 1855b, 24, 25; 1857c, 29.—Fischer, 1840, 158.—Fraip., 1880c, 417, 443.—Harz, 1881c, 5 (syn. of *D. lucii* Zed.).—Hausmann, 1897b, 4, 6, 14, 15, 17, 20, 21, 22 (in *Esox lucius*, *Thymallus vulgaris*).—Jackson, 1888, 649.—Johnston, 1902, 329.—Jurine, —, 489.—Kowal., 1894, 2; 1894, 220; 1895, 372-390, pl. 8, fig. 10.—Kölliker, 1843, 99-101, 130, 135, 137.—Kroyer, 1838-40a, 41, 615; 1843-45a, 644; 1846-53a, 253 (in *Esox lucius*, *Lucioperca sandra*, *Salmo fario*, *S. trutta*).—Kuech., 1855, 187.—Lander, 1904a, 19.—Leidy, 1851b, 206; 1856b, 44; 1904a, 48, 87 (terreticollis).—Leuck., 1863a, 457, 459, 460, 485, 490, figs. 147, 148, 159.—Looss, 1893b, 813, 815; 1894a, 2, 5-18, 20, 22, 25, 28, 29, 31, 109, 113, 115, 116, 117, 118, 120, 124, 125, 136, 137, 142, 144, 147, 148, 149, 150, 151, 152, 153, 154, 159, 165, 166, 167, 176, 179, 181, 184, 185, 187, 188, 189, 197, 200, 202, 205, 206, 212, 215, 219, 241, 245, 270, 272, 275, 276, pl. 1, figs. 1-3, pl. 3, figs. 53-63, pl. 4, figs. 64-71, 74, pl. 6, fig. 121 (syns. *D. lucii*, *D. rosaceum*, *Fasc. lucii*, *Plan. lucii*) (in *Esox lucius*, *Iota vulgaris*, *Lucioperca sandra*, *Salmo fario*, *S. hucho*, *S. alpinus*, *S. trutta*, *S. umbla*, *Trutta variabilis*); 1894, 17; 1896b, 109; 1899b, 548, 549, 570; 1902m, 456, 457.—McIntosh, 1864, 150.—Mont., 1888a, 25, 27, 32, 43, 68, 69, 72; 1892, Oct. 7, 185, 187, 191; 1893, 16, 60, 115; 1896, 152, 153.—Moul., 1856a, 25, 31, 32, 49.—Mueh., 1898, 30.—Nord., 1840, 617, 619, (syn. of *Fasc. longicollis* Bloch).—Ofenheim, 1900, 152.—Olfers, 1816, 45.—Olls., 1876, 18; 1893, 11.—Poir., 1885, 102.—Schauinsland, 1882, 494, 496, 497.—Sieb., 1835, 59, 66, 82; 1836, 233, 237.—Sons., 1891, 264 (in *Esox lucius*).—Sramek, 1901, 96, 105, figs. 58-59 (syns. *Fasc. lucii* Mueller, *F. longicollis* Bloch, *F. teret.* Rud., *Plan. lucii* Goeze, *D. lucii* Zed.).—Stoss., 1886, 25; 1890, 50; 1891, 216; 1898, 38; 1904, 199.—Tennent, 1906, 670.—Wagener, 1857, 25, 28, 45, pl. 20, figs. 1-5 (in *Esox lucius*).—Wolf, 1903, 610.—Also reported for *Esox reticulatus*.
- tereticolle lucii* Mayer, 1841a, 18.
- tereticolle rosaceum* (Nord., 1832) Dies., 1850a, 364.
- tereticollis* Blainv., 1828a, 585 (for *Fasc. tereticollis* Rud.).
- teretiunculum* Mont., 1893, 40, 41, 42, 43, 82, 83, 94, 96, 98, 102, 118, 193, pl. 1, fig. 4; pl. 6, fig. 66 (in *Solea klenii*).—Jacoby, 1900, 4.
- tergestinum* Stoss., 1889, 28, pl. 13, fig. 57 (in *Oblata melanura*; *Tricest*); 1898, 44.—Braun, 1892a, 579.—Mont., 1893, 84, 86, 95.
- terreticolle* Leidy, 1904a, 48, 87, for *tereticolle*.
- testudinis* Rud., 1819a, 121 (in *Testudo orbicularis*; C. E. V.).—Braun, 1899, 630.—Dies., 1850a, 325 (syn. of *Monost. delicatulum*).—Duj., 1845a, 451.—Stoss., 1895, 232 (in *Emys orbicularis*; Vienna).
- testudinis mydæ* Braun, 1899, 629 (for *mydæ*).
- testudinis mydæ* Rud., 1809a, 433, for *D. intestinalis testudinis mydæ*.—Braun, 1899, 629 (*mydæ*).
- tetracystis* Gastaldi, 1854, 4-5, pl. 1, figs. 1-3 (in *Rana esculenta*).—Braun, 1893a, 871.—Cobbold, 1860a, 17.—Dies., 1855, 390; 1858d, 253 (larva = *Cerc.* (*Acanthocephala*) *microcotyla*); 1858e, 348 (stat. juven. in *Pelophylax esculentus*; larva in *Paludina achatina*; *P. vivipara*).—Fil., —, 30, pl. 1, fig. 9.—Linst., 1873, 1 (larva = *Cerc. microcotyla* Fil.).—Staff., 1900, 405, 410-412.—Stoss., 1889, 68 (in *Rana esculenta*; Torino).—Also reported for *Rana catesbiana*.
- tetracystis ranæ esculentæ* Dies., 1855, 64, footnote 9. See *tetracystis*.
- texanicum* Francis, 1891c, 135-136, pls. 3-8, 5 figs. (in *Bos taurus*; Texas); 1892, 426.—Huber, 1896a, 576 (syn. of *D. magnum*).—Leuck., 1892b, 797, 798 (*texicanum*).—Stiles, 1892c, 148; 1892g, 732-733; 1898a, 51.—Ward, 1895, 253 (syn. of *Fasc. magna*), 332 (in *Bos taurus*), 335 (in *Ovis aries*), 338 (in *Equus caballus*); 1903, 866 (syn. of *Fasc. magna*).

## DISTOMA—Continued.

- tericanum* Leuck., 1892b, 797, 798 (for *texanicum*).  
*tinca* (Modeer, 1790) Rud., 1809a, 366.  
*tobiani* Krøyer, 1846-53a, 592 (in *Ammodytes tobianus*).  
*todari* delle Chiaje, 1841, 139.  
*tornatum* Rud., 1819a, 684-685 (in *Coryphæna equisetis*; *C. hippuris*).—Braun, 1893a, 872.—Buttel-Reepen, 1902, 167, pl. 6, fig. 8.—Cobbold, 1860a, 28 (in *Megalops cyprinoides*); 1879b, 458, 461.—Cohn, 1902k, 47.—Dies., 1850a, 372-373 (syns. *F. caudata*, *F. coryphænæ*, *F. coryphænæ hippuridis*, *D. coryphænæ*); 1859c, 431.—Duj., 1845a, 421-422.—Johnston, 1901, 337.—Lint., 1898c, 513-514, pl. 42, figs. 6-12; 1901, 415, 418, 442, 444, 452, 455, 469, fig. 310 (in *Coryphæna hippurus*, *Fundulus heteroclitus*, *Menidia notata*, *Roccus lineatus*); 1905, 328, 334, 355, 356, 372, 374, 398, 399, figs. 156-158 (in *Coryphæna equisetis*, *C. hippurus*, *Menticirrhus americanus*, *Synodus fortens*, *Tylosurus marinus*).—Looss, 1896b, 125 to (Apoblemma); 1899b, 640.—Mont., 1891, 497.—Stoss., 1886, 12.—Wagener, 1860, 166, 176-178, 181, pl. 9, figs. 1-5 (in *Coryphæna* sp.).  
*torosum* (Setti, 1897) Linst., 1903, 354.  
*torulosum* Rud., 1814a, 104-105 (in *Silurus glanis*); 1819a, 111 (in *S. glanis*: Greifswald, October), 410.—Cobbold, 1860a, 28.—Dies., 1850a, 375.—Duj., 1845a, 464.—Kroyer, 1846-53a, 137 (in *S. gl.*).—Olfers, 1816, 46.—Stoss., 1886, 56.  
*totari* E. Bl., 1847a, 309, for *todari*.  
*trachea* (Montagu, 1811) Rud., 1819a, 114 (in *Phasianus gallus*; *Gryphie*), 798 (sub *D. lineare*).  
*transversale* (Rud., 1802) Rud., 1809a, 361-362 (in *Cobitis fossilis*); 1819a, 95, 368.—Braun, 1893a, 873.—Cobbold, 1860a, 22 (in *Acanthopsis* (*Cobitis*) *fossilis*, *Cobitis pæmiæ*).—Dies., 1850a, 339.—Duj., 1845a, 463-464.—Kroyer, 1846-53a, 563, 573 (in *Cob. fos.*, *Botia tenia*).—Odhn., 1901, 484, 505.—Pavesi, 1881, 616.—Stiles & Hass., 1898a, 95.—Stoss., 1886, 56.  
*trapezium* Leidy, 1891a, 414 (in *Pandion carolinensis*); 1904a, 235.—Stiles & Hass., 1894e, 414.  
*triangulæ* Linst., 1878, 72, for *triangulare*.  
*triangulare* Dies., 1850a, 351 (in *Merops apiaster* (syn. *D. meropis*).—Braun, 1901, 561, 568; 1902b, 51, 52, 53, 93 (to *Plagiorchis*).—Cobbold, 1860a, 13.—Linst., 1878, 92 (*triangulæ*).—Looss, 1899b, 531, 631, 725 (type of *Megacetes*); 1900, 602 (type of *Eumegacetes*).—Stoss., 1892, 186; 1904, 2.  
*tricolor* Stiles & Hass., 1894h, 160-162, fig. 2; 1895a, 729-737, pls. 1-2, figs. 1-8 (in *Lepus sylvaticus*, *L. americanus*; Maryland); 1895c, 700-701.  
*trifolium* Braun, 1901g, 947 (in *Ardea cocoi*; Brazil); 1902b, 150-151, figs. 92, 93.  
*trigonocephalum* Kampmann, 1894b, 454, 457, misprint for *trigonocephalum*.  
*triglæ* Rud., 1819a, 122 (in *Trigla cuculus*; C. E. V.).—Dies., 1850a, 399.  
*triglæ gurnardi* Rathke, 1799, 68, 146, fig. 2a-c (in *Trigla gurnardus*).—Dies., 1850a, 362.—Rud., 1809a, 384 (syn. of *D. soleæforme*).  
*triglæ pini* Dies., 1855, 64; 1858e, 343 (renamed *D. homœostomum*), based on Bellingham, 1844, 428.  
*trigonocephalum* (Rud., 1802) Rud., 1809a, 415-418 (in *Ursus melis*, *Erinaceus europæus*, *Mustela putorius*, *M. vulgaris*) (includes *Plan. putorii*; *P. melis*; *Fasc. putorii*; *F. melis*; *Dist. melis*; *F. armata*; *D. armatum*); 1810a, 376; 1819a, 114.—Baird, 1853a, 55.—Bellingham, 1844a, 425.—Blainv., 1824a, 512 (type of *festucaire*).—Brand., 1891b, 265; 1891d, 16.—Braun, 1891, 100; 1892a, 618, 754, 784, 785, 786, 787, 797; 1893a, 866, 879, 911.—Cobbold, 1879b, 295, 298 (in *Erinaceus europæus*, *Mustela vulgaris*), 299.—Crep., 1837, 310, 311, 317, 326; 1845, 327, 337, 349b.—Dies., 1850a, 381-382 (syns. *D. armatum*; *Fasc. armata*; *F. melis*; *F. putorii*; *Plan. melis*; *P. putorii*); 1858d, 267 (larva=*Histrionella ephemera* Ehrenberg); 1858e, 344 (in *Erinaceus europæus*; *Mustela putorius*).—Duj., 1845a, 423.—Fil., 1855b, 24.—Gamb., 1896, 72.—Giebel, 1857, 265.—Kampmann, 1894b, 454, 457 (*trigonocephalum*).—Kowal., 1896d, (3) 253 (in *Putorius fortidus*; Dublany).—Leuck., 1863a, 460, 471.—Linst., 1873, 101, 106 (larva=*Cerc. echinatoides* Fil.) in *Fetorius putorius*; 1879, 185, pl. 12, fig. 31.—Looss, 1885b, 13, 18, 21, 37, 38, 50, pl. 23, figs. 6, 17; 1894a, 227; 1902m, 804, 805.—Mol., 1858, 129-130;

## DISTOMA—Continued.

- 1859, 825, 846 (in *Erinaceus europæus*; Padua); 1861, 213–216, pl. 3, fig. 2.—Mont., 1888a, 40, 44, 65; 1893, 75, 77.—Nord., 1840, 621 (to Fasc.).—Olfers, 1816, 46.—Rail., 1893a, 365.—Schuberg, 1895, 178.—Sieb., 1854, 23.—Sons., 1893, —.—Stoss., 1890, 51; 1892, 29–30 (to *Echinost.*).—Wagener, 1857, 24, 42.—Reported for *Canis vulpes*; *Felis catus domesticus*; *Fœtorius lutreola*; *F. putorius*; *F. vulgaris*; *Lutra vulgaris*; *Meles europæus*; *Meles taxus*; *Mustela foina*; *Mustela martes*; *M. putorii*; *M. vulgaris*; *Plecotus communis*; *Putorius vulgaris*; *Ursus meles*; *Paludina vivipara*.
- trilobum* Rud., 1819a, 104–105, 392 (in *Pelecanus carbo*; Mus. Vien.).—Dies., 1850a, 310 (to Hemist.).—Duj., 1845a, 449.
- tringæ helveticæ* Rud., 1819a, 120 (in *Tringa helvetica*; C. E. V.).—Dies., 1850a, 386 (syn. of *D. cinctum*).—Duj., 1845a, 447.—Stoss., 1892, 187 (in Tr. helv.; Vienna).
- truncatum* Perroncito, 1882, 284, for *D. truncatum* [Erc.].
- truncatum* (Abildg., 1806) Rud., 1814a, 105–106; 1819a, 122 (in *Perca lucioperca*).—Dies., 1850a, 358 (?syn. of *D. tereticolle*).—Kroyer, 1838–40a, 41, 579 (“of Leuck.” in *Lucioperca sandra* Cuv.).—Nord., 1832a, 88.
- truncatum* (Rud., 1819) Rail., 1886, 296–297; 1893a, 364 (syns. *D. conus* Crep., 1825, [not Gurlt, 1831] to (*Brachylaimus*).—Askanazy, 1901, 72.—Braun, 1893e, 349, 350, 352, 353, 354; 1893f, 384, 385, 387, 389, 390, 392, 424, 425, 427 (syns. *D. conus* Crep., *D. campanulatum* Erc.); 1893g, 802, 803 (syn. *D. campanulatum* Erc., 1875); 1894g, 129; 1894i, 606.—de Jong, 1896a, 2, 3, 4, 5, 6, 7, fig. 3; 1897a, 245–246.—Kholodk., 1898, 29.—Looss, 1896b, 97; 1899b, 565 to (*Metorchis*).—Moniez, 1896, 137 to (*Dicrocoelium*), 139 (=conus Crep.), 140, 141.—Mueh., 1898, 15, 24, 25.—Neumann, 1892, 529; 1892, 544.—Pease, 1898, 82.—Perroncito, 1886, 250.—Ratz, 1898, 68; 1900, 141 (in cat.).—Stiles & Hass., 1894e, 421–434, pl. 3, figs. 11–12, to (*Dicrocoelium*) (in *Phoca vitulina*, *Felis catus dom.*, *Canis fam.*, *C. vulpes*, *Halichorrus fetidus*, *Gulo borealis*; Germany, Holland, Italy, France) (syns. *D. conus* Crep.; *D. lanceolatum* of Mehlis, of Dies., 332; *D. campanulatum* Erc.).—Ward, 1895, 243 (in part, syn. of *D. felineum* Riv.), 341 (in *Canis fam.*).—Zwaardemaker, 1890, 197–203, pl. 3.
- truncatum* Erc., 1859a, 382 (in *Canis familiaris*).—Braun, 1893a, 875; 1893e, 349 (“Ercolani 1846”), 351; 1893f, 386, 424 (“Ercolani 1846, in dog; Bologna), 425, syn. of *D. truncatum* (Rud.).—de Jong, 1887a, 57; 1896a, 6, 7, 11, figs. 1a, 1b.—Leuck., 1889, 357.—Perroncito, 1882, 284 (*troncatum*) in dog.—Sons., 1889, 276, 277, 280; 1889, 281 (syn. of *D. conus* Crep.).—Stoss., 1892, 25 (syn. of *D. conus* Crep.).
- truncatum* Leuck., 1842, 34–35, pl. 1, fig. 8a–b (in *Sorex fodiens*).—Braun, 1893a, 876; 1893d, 467; 1901e, 342.—Cobbold, 1860a, 8; 1879b, 296.—Dies., 1850a, 374 (in *Sorex daubentonii*).—Duj., 1845a, 438 (in *S. fodiens*).—Sons., 1889, 276 (in *S. fod.*).—Stoss., 1892, 36–37 (in *Crossopus fodiens*).
- trutta* Dies., 1858e, 356 (in *Salmo trutta*), refers to Moul., 1856, 217.—Braun, 1893a, 871.
- tubarium* Rud., 1819a, 111–112, 410 (in *Sciæna umbra*; Spezia, August).—Carus, 1884, 125.—Cobbold, 1860a, 28.—Dies., 1850a, 375.—Duj., 1845a, 457.—Stoss., 1886, 56 (in *Umbrina vulgaris*).
- tubiporum* Braun, 1900, 388–389 (in *Vespertilio* sp.); 1900, 232–233, pl. 10, figs. 8, 9.
- tubulatum* Rud., 1819a, 675–676 (in *Muræna* sp.; Brazil).—Cobbold, 1860a, 22.—Dies., 1850a, 337.—Duj., 1845a, 468.—Stoss., 1886, 56.
- tumidulum* Rud., 1819a, 95, 369 (in *Syngnathus hippocampus*; Vienna).—Bellingham, 1844a, 423.—Ben., 1870, 89, pl. 5, fig. 5.—Carus, 1884, 129.—Cobbold, 1860a, 22.—Dies., 1850a, 339–340; 1858e, 333 (in *Syngnathus acus*; Ireland).—Duj., 1845a, 469.—Kroyer, 1846–53a, 704 (in *Siphost. acus* L.).—Odhn., 1901, 484, 503.—Pag., 1862, 305.—Stoss., 1886, 56 (in *Hippocampus guttatus*, *Syngnathus acus*).
- turdi* Rud., 1819a, 120 (in *Turdus saxatilis*; C. E. V.).—Dies., 1850a, 361 (syn. of *D. mesostomum*), 391 (syn. of *D. nephrocephalum*).
- turgidum* Brand., 1888, 247–251, pl. 17, figs. 2–3 (in *Rana esculenta*).—Braun, 1892a, 568, 578, 579, 584, 700, 720, 721, 727, 737; 1893a, 877, 881, 893; 1895b, 11; 1900h, 6.—Galli-Valerio, 1898n, 373.—Kowal., 1894, 3.—Looss, 1892, 101; 1894a, 1, 173; 1899b, 623, 775 (type of *Brandesia*).—Mont., 1893, 84, 85.—Mueh., 1898, v. 1 (1), 23, 30, 102–105, 114, fig. 21, 28.



## DISTOMA—Continued.

- tursionis* Marchi, 1873, 304, pl. 5, fig. b (in *Delphinus tursio*).—Carus, 1884, 125.—Linst., 1886, 125.—Par., 1896, 1-3 (syn. of *D. (Dicrocoelium) longissimum* Poir.).—Poir., 1886, 30.—Stoss., 1892, 37 (in *Del. tur.*).
- umblæ* (Fabricius, 1780) Zed., 1803a, 212.—Dies., 1850a, 343 (syn. of *D. seriale*) (in *Salmo umbla*; Greenland; kidneys).—Rud., 1809a, 369.
- umbrinæ* Stoss., 1885, 159, pl. 4, fig. 18 (in *Umbrina cirrhoæ*; Trieste); 1886, 26; 1887, 91; 1898, 36-37.—Barbagallo & Drago, 1903, 410 (in *Umbrina cirrhoæ*; Catania).—Braun, 1892a, 728, 737.—Linst., 1900, 290.—Luehe, 1900, 487.—Mont., 1893, 94.
- uncinatum* Zed., 1803a, 221 (in *Fulica chloropus*).—Ben., 1858a, 1861a, 85.—Braun, 1891, 101; 1893a, 874.—Crep., 1837, 316.—Dies., 1850a, 384 (syns. *D. chloropodis*, *Fasc. crenata*) (in *Gallinula chloropus*).—Duj., 1845a, 428.—Mueller, 1897, 22-23, pl. 3, fig. 6.—Olfers, 1816, 46.—Rud., 1809a, 420-421 to (*Echinost.*); 1814a, 102; 1819a, 115, 417-418.—Sieb., 1854, 23.—Stoss., 1892, 172 (syn. of *Echinost. cinctum*); 1898, 53.—Also reported for *Ascolopax gallinago*.
- unicum* Looss, 1896b, 44-49, pl. 3, figs. 20-24 (in *Trionyx nilotica*; Cairo, Egypt); 1898, 461 (renamed *D. reniferum* Looss); 1899b, 590 (=renifera, type of *Astia*).—Luehe, 1899, 531.
- unicum* Mol., 1859, 835-837, pl. 3, fig. 1 (in *Centrolophus pompilius*; Padua).—Braun, 1893a, 910.—Carus, 1884, 124.—Luehe, 1900, 488, 492.—Stoss., 1886, 17.
- urcatum* Luehe, 1900, 489 (for *D. furcatum*).
- vagens* Leidy, 1850, 304-309, pl. 43, figs. 2-16 (in *Helix alternata*, *H. albolabris*) (*D. helicus* Leidy, 1847, renamed); 1857, 44 (syns. *D. helicus* Leidy; *D. pericardium* Crep.; *Cercariaeum helicus alternatæ* Dies.; *C. vagens* Dies.).—Ben., 1858a, 1861a, 175, 186, 205.—Dies., 1855a, 398, (to *Cercariaeum*); 1858d, 278 (to *Cercariaeum*).—Fraip., 1880c, 417.—Mont., 1888a, 40.
- valdeinflatum* Stoss., 1883, 114, pl. 1, fig. 4 (in *Gobius jazo*; Trieste); 1886, 35.—Braun, 1893a, 871.—Carus, 1884, 127.—Linst., 1898c, 527-528, pl. 47, figs. 10-14, pl. 48, figs. 1-2; 1901, 416 (in *Alutera schœpfii*, *Menidia notata*, *Spheroides maculatus*), 421, 444, 464; 1905, 328, 334, 359, 366, 372, 379, 386, 393, 396, 400, 401, 409, 414 (in *Cynoscion nebulosus*, *Leioetomus xanthurus*, *Menticirrhus americanus*, *Micropogon undulatus*, *Monacanthus hispidus*, *Opeanus tau*, *Orthopristis chrysopterus*, *Paralichthys albiguttus*, *Rachycentron canadus*, *Siphostoma fuscum*; *Trachinotus carolinus*).—Linst., 1903, 354 (syn. of *D. cesticillus* Mol.).—Looss, 1894a, 252 (syn. of *Echinost. cesticillus*); 1899b, 697 (young of *Stephanost. cesticillus*).—Mont., 1891, 121; 1893, 61, 158, 160, 161.—Nicoll, 1907, 69 (*valdemflatum*).
- valdemflatum* Nicoll, 1907, 69 (for *valdeinflatum*).
- validum* Linst., 1886, 124-128, figs. 23-27 (in *Delphinus* sp.; South Atlantic); 1889a.—Braun, 1892a, 591, 603, 608; 1893a, 873.—Buttel-Reepen, 1902, 169, 171, 172, pl. 6, fig. 24.—Stoss., 1892, 15-16 (in *Delphinus* sp.; Atlantic).
- vallei* Stoss., 1896, 129, fig. 2 (in *Falco subbuteo*); 1898, 33.—Looss, 1902m, 746.
- variabile* Leidy, 1856, 44 (in *Tropidonotus sipedon*).—Braun, 1893a, 876.—Dies., 1858e, 352-353.—Luehe, 1900, 559-561.—Pratt, 1903, 31.—Stoss., 1895, 232-233 (in *Trop. sip.*; Philadelphia).—Volz, 1899, 234, 235.—West, 1896, 323.
- varica* Zed., of Ben., 1870, 69, see *varicum*.
- varicum* (Mueller, 1784) Zed., 1803a, 217.—Bellingham, 1844a, 424.—Ben., 1870, 25.—Braun, 1892a, 643, 735.—Cobbold, 1860a, 24.—Dies., 1850a, 368; 1858e, 342 (in *Salmo salar*).—Duj., 1845a, 465.—Hausmann, 1897b, 4, 6, 20, 22 (in *Trutta salar*).—Juel, 1889, 34.—Kroyer, 1843-45a, 581; 1846-53a, 54 (in *Salmo salar* L., *Thymallus vulgaris* Cuv.).—Levin., 1881, 5; 1881a, 54-56, 58, 61, 69, pl. 2, figs. 1-2 (in *Cottus scorpius*, *Gadus ovak*; immature forms in *Harmothoe imbricata*, *Cottus scorpius*).—Looss, 1896b, 136; 1899b, 639 to *Hemirurus*; 1901, 438.—Luehe, 1901, 479.—M'Intosh, 1864, 149-150 (of Rud.) (in *Salmo salar*).—Mont., 1890, 424; 1891, 513; 1893, 43, 61, 85, 88, 95, 106, 107, 180, 182, 183, 184.—Mueller, 1788, 43.—Nord., 1840, 620 (to *Fasc.*).—Olfers, 1816, 46.—Olss., 1868, 40; 1876, 17.—Rud., 1809a, 396-397; 1810a, 376; 1819a, 106.—Stoss., 1886, 22; 1902, 582.—Reported for *Anguilla vulgaris*; *Conger conger*; *C. vulgaris*; *Coregonus wartmanni*; *C. oxyrrhynchus*; *Gadus euxinus*; *G. minutus*; *Hippoglossus maximus*; *Labrus maculatus*; *Lota molva*; *Merlangus vulgaris*; *Molva abyssorum*; *M. vulgaris*.

## DISTOMA—Continued.

- variegatum* Rud., 1819a, 99, 378–379 (in *Rana esculenta*; Berlin, October).—Baird, 1853a, 53.—Ben., 1870c, 141.—E. Bl., 1847, to *Brachylemus*.—Braun, 1897a, 1459; 1892a, 784 (*variegatum*); 1893a, 876, 881, 911.—Cobbold, 1860a, 17.—Crep., 1829, 58–59; 1837, 310, 322, 326; 1839, 288.—Darr, 1902, 654.—Dies., 1850a, 354–355 (to *Brachylemus*); 1858e, 339 (in *Rana pipiens*, *Pelophylax esculentus*).—Duj., 1845a, 416–417.—Gronkowski, 1902a, 511, 515, 518–519, 531–532 (4, 8, 11–12, 24–25), pl. 13, figs. 3, 11, 12.—Hausmann, 1897b, 27.—Kamensky, 1900a, 8.—Leuck., 1863a, 490.—Leidy, 1851, 207, 242; 1856, 44.—Linst., 1883, 309; 1886, 34; 1887, 97.—Looss, 1892, 65, 93 (*variegatum*); 1893b, 812, 815, 818, 819, fig. 3; 1894a, 2, 3, 65, 68, 71–82, 113, 114, 115, 116, 118, 119, 120, 121, 125, 127, 135, 136, 146, 150, 159, 163, 167, 173, 175, 179, 182, 190, 193, 199, 204, 208, 209, 210, 212, 214, 215, 217, 221, 224, 226, 227, 230, 242, 256, 266, 268, pl. 2, figs. 43–48, pl. 7, figs. 134–146 (syns. *D. cylindricum*, *D. cylindraceum*, *Monoet. bombynae*, *M. ellipticum*) (in *Rana esculenta*, *Bombinator igneus*; *Bufo cinereus*); 1896b, 19; 1899b, 556, 661 (type of *Hæmatolœchus*), 602, 603; 1901, 192; 1902m, 732 (type of *Pneumonœces*), 810.—Luehe, 1899, 533; 1901, 58.—Mehlis, 1831, 177–179.—Mol., 1889, 828–829, pl. 3, fig. 2 (syn. *Brachylemus* v.) (in *Pelophylax esculentus*; Europe).—Mont., 1892, 715.—Mueh., 1898, 26.—Pag., 1857, 41–42, pl. 5, fig. 2 (in green frog).—Poir., 1885, 102.—Sons., 1893, 185, 188, 189 (in *Rana esculenta*).—Staff., 1900, 405, 409; 1902, 482 (in Canadian frogs and toads); 1902, 24 Nov., 895, 904 (American representatives); 1903, 15 Dec., 901; 1905, July, 50–51.—Stiles & Hass., 1898a, 84; 1902d, 20.—Stoss., 1889, 62; 1896, 128; 1898, 35.—Wagener, 1857, 25, 102, pl. 21, figs. 1–2.—Wright, 1879, 8.—Also reported for *Bufo vulgaris*, *Rana halcina*, *R. temporaria*, *Triton alpestris*.
- variegatum* Looss, 1892, 93, for *variegatum*.—Braun, 1892a, 784.
- [*variolosus* Gærtner in Pallas (a tunicate)].—Lamarck, 1816, 101.
- varium* Eysenhardt, 1829, 148–151 (in *Gadus merluccius*).—Dies., 1850a, 342 (syn. of *D. caudiporum*), 371 (syn. of *D. appendiculatum*), 372 (syn. of *D. grandiporum* and of *D. rufoviride*).—Mol., 1859, 826 (syn. of *D. grandiporum*).—Mont., 1891, 498.—Wagener, 1860, 166.
- velella* Filippi (1843), 66, pl. 5, fig. 12 (in *Velella spirans*; Naples).—Dies., 1850a, 379, 659 (renamed *D. megacotyle*).—Kœlliker, 1849, 53.—Mont., 1888, 198, 199; 1893, 123.
- veliporum* Johnston, 1902, 329, for *veliporum*.
- veliporum* Crep., 1837a, 310 (in *Squalus griseus*), 318.—Ariola, 1899, 7, 9 (syns. *D. insigne* Dies., *D. microcephalum* Baird, *D. scymni* Risso).—Braun, 1892a, 567, 586, 624, 625, 647, 682, 686, 690, 735; 1893a, 873, 879, 910; 1893d, 466.—Carus, 1884, 129.—Cobbold, 1860a, 25 (in *Prionodon milberti*, *Hexanchus griseus*).—Darr, 1902, 666, 667, 669, 683.—Dies., 1850a, 347 (syn. *Fasc. squali grisei*) (in *Prionodon milberti*; *Hexanchus griseus*; *Panormi*).—Duj., 1845a, 471 (in *Squalus griseus*).—Jägers., 1900, 72, 73, 74; 1900, 736.—Johnston, 1902, 329 (*veliporum*).—Kerbert, 1881a, 541.—Linst., 1903, 279, 354.—Lint., 1898, 521–522; 1901, 416 (in *Raja lævis*), 421, 431.—Lönnberg, 1891, 71; (1898), 4.—Looss, 1894a, 152, 211; 1899b, 570 (thinks this form may belong to *Azygia*).—Mont., 1888a, 7; 1889, 69; 1889, 70 (in *Raja* sp.; Porto Huite, Chile); 1889, 321; 1892, 5, 6, 7; 1893, 9; 1893, 33, 34, 36, 43, 52, 82, 102, 107, 113, 120, 122, 147, 191, pl. 1, fig. 6, pl. 8, figs. 122–131.—Ofenheim, 1900, 164.—Olss., 1868, 22; 1876, 13; 1896, 508 (includes *D. insigne*, *D. microcephalum*).—Poir., 1885, 22, 37, 42, 44, 48, 49, 53, 74, 82, 106, 127, 142.—Stoss., 1886, 19; 1890, 51; 1901, (9) 97, pl. 6, fig. 1 (in *Notidanus griseus*; Trieste); 1904, 198, 199.—Villot, 1878, 2 (in *Hexanchus griseus*, *Prionodon milberti*).—Wagener, 1852, 543; 1857, 28; 1860, 174.—Reported for *Acanthias vulgaris*, *Carcharias milbertii*, *Centrolophus pompius*, *Chimæra monstrosa*, *Echinorhynchus spinosus*, *Heptanchus cinereus*, *Hexanchus griseus*, *Raja batia*, *R. clavata*, *R. fullonica*, *R. lævis*, *R. lineata*, *R. radiata*.
- ventricosa* Ben., 1871a, 68, pl. 4, fig. 11.—Braun, 1891d, 423.—Mont., 1891, 510 (syn. of *Apoblema ocreatum* Rud.).
- ventricosum* (Pallas, 1774) Mont., 1893, 26, 27.—Braun, 1893b, 184.—Stoss., 1900, 8.—Reported for *Pimblepterus* sp.
- ventricosum* Rud., 1819a, 108, 398 (in *Clupea alosa*; Arimini, April).—Ben., 1858a, 1861a, 179, 193; 1870, 68.—Bl., 1891, 468–478, fig. 36.—Buttel-Reepen, 1902, 166, 167, 168, pl. 6, figs. 19–22.—Carus, 1884, 125.—Cobbold, 1860a, 27.—Darr, 1902, 666.—Dies., 1850a, 369 (in *Alosa vulgaris*; Arimini).—Duj., 1845a,

## DISTOMA—Continued.

- 465.—Hausmann, 1897a, 4, 6, 20, 23 (in *Al. vulg.*).—Jackson, 1888, 647.—Kroyer, 1846–53a, 218 (in *Alosa finta* Cuv.).—Lander, 1904a, 1.—Mont., 1887, 87; 1891, 12 (syn. of *Apoblema appendiculatum*), 16, 17 (p. p. syn. of *Apoblema ocreatum* (Rud.) Mont.); 1891, 496, 497, 498, 499, 500, 501, 502.—Nicoll, 1906, 525 (in *Gasterosteus aculeatus*).—Sons., 1890, 12–13; 1891, 259 (syn. of *D. ocreatum* Mol.) (in *Alosa sardina*).—Stoss., 1886, 11; 1887, 90; 1898, 29; 1902, 582.—Wagener, 1860, 166–172, 173, 175, 179, pl. 8, figs. 1–7 (in Clupeiden).—Also reported for *Anguilla vulgaris*, *Clupea* sp., *C. sprattus*, *Motella communis*, *M. mustela*.
- ventricosum* Stoss., 1898, 29 (syn. of *Apoblema ocreatum* Rud.).
- ventricosum* Rud. of Wagener, 1860, 166–172, 173, 175, 179, pl. 8, figs. 1–7 (in Clupeidae).—Braun, 1891d, 423.—Levin., 1881a, 59 (syn. of *D. appendiculatum* Rud., Mol.).—Luehe, 1901, 396, 397, 399.—Mont., 1891, 499, 501, 502, 505 (syn. of *Apoblema appendiculatum* Rud.).
- ventricosum minor* Shipley, 1900, 540 (in *Pimelepterus* sp.; New Britain).
- vereticolle lucii* Rud., 1809a, 440 (misprint for *D. tereticolle lucii*).
- verrucosum* Busch, 1851, 100, pl. 15, fig. 11 (in *Ophidium barbatum*).—Braun, 1893a, 873.—Carus, 1884, 128.—Mont., 1893, 27, 94, 102.—Stoss., 1886, 19 (in *Oph. barb.*).
- verrucosum* Lint., 1892, 96–97, pl. 6, figs. 33–35 (in *Larus californicus*).
- verrucosum* Mol., 1859, 842–844 (in *Labrax lupus*; Rhedoni, Padua) (includes *D. labracis* Duj., 1845a, 398).—Braun, 1892a, 579, 642, 720, 728, 737.—Lander, 1904a, 8.—Odhn., 1901, 513, 514.—Par., 1899, 5; 1902, 4 (syn. of *Dicrocoelium labracis*).—Stoss., 1886, 31; 1886, 48 (in *Labrax lupus*; Trieste); 1898, 46.
- verrucosum* Poir., 1885, 10–11, 16, 29, 60, 74, 79, 81, pl. 23, fig. 4 (in *Thynnus*).—Braun, 1892a, 576, 608, 609, 873; 1893d, 466.—Jägers., 1900b, 72.—Lander, 1904a, 8.
- verrucosum* Frœlich.—Wolffhuegel, 1900, 136 (for *Monost. ver.*?).
- vespertilionis* (Mueller, 1784) Zed., 1803a, 214.—Dies., 1850a, 387 (syn. of *D. lima*).—Kolenati, 1857, 12.—Rud., 1809a, 427 (syn. of *D. lima*).—Stoss., 1904, 2.
- vezans* Braun, 1901, 947 (in *Turdus merula*); 1902b, 151–152, figs. 94–95.
- vibex* Lint., 1900a, 269, 281, 291–292, pl. 38, figs. 48–51 (in *Spheroides maculatus*); 1901b, 416 (in *Sph. mac.*; Woods Hole, Mass.), 419, 464; 1905d, 328, 334, 402, fig. 188.
- viperæ* Linst., 1877, 186 (in *Pelias berus*).—Braun, 1893a, 870.
- virgula* Fil., 1837a, 338, fig. 5 (in *Paludina impura*, *Valvata piscinalis*; Ticini); 1855b, 5.—Dies., 1850a, 296 (to *Cerc.*).—Moul., 1856a, 161 (to *Cerc.*).
- vitellatum* Linst., 1875, 189–190 (in *Totanus hypoleucos*); 1887, 104.—Braun, 1902b, 50 (to *Plagiorchis*).—Stoss., 1892, 154 (in *Actites hypoleucos*; Ratzeburg); 1892, 12, to (*Brachylaimus*); 1904, 2 (*vitellatus*).
- vitellilobum* Olss., 1876, 14 (in *Rana temporaria*).—Braun, 1893a, 873, 881; 1893d, 466.—Linst., 1887, 97, 98, 102.—Looss, 1894a, 56, 57, 62, 82; 1899b, 606–607 (whether a good species or only a variety of *Gorgoderina cygnoides* can not be determined from Olsson's description); 1902m, 851 (perhaps a *Gorgoderina*), 857 (to *Gorgoderina* as possible).—Sons., 1893, 187 (in *Rana esculenta*).—Stoss., 1889, 67.
- vitellosum* Lint., 1900a, 269, 282, 290, pl. 37, figs. 38–39 (in *Merluccius bilinearis*; Woods Hole, Mass.): 1901b, 16, 420, 435, 436, 437, 439, 440, 445, 446, 449, 451; 458, 460, 462, 464, 471, 474, 481, 482, 483, 485, 486, figs. 333–340; 1905d, 329, 335, 348, 351, 357, 366, 369, 378, 382, 385, 388, 390, 393, 396, 397, 399, 401, 404, 405, 409, 413, figs. 176–178.—Johnstone, 1907, 182–185, fig. 15 (in *Pleuronectes flesus*; Piel).—Reported for *Anguilla chrysypa*, *Bairdiella chrysura*, *Brevoortia tyrannus*, *Clupea harengus*, *Cynoscion regalis*, *Dasyatis centrura*, *Decapterus macarellus*, *Lagodon rhomboides*, *Leiostomus xanthurus*, *Leptocephalus conger*, *Limanda ferruginea*, *Menticirrhus americanus*, *M. saxatilis*, *Merluccius bilinearis*, *Micropogon undulatus*, *Monacanthus hispidus*, *Opeanus tau*, *Orthopristis chrysopterus*, *Paralichthys albiguttus*, *P. dentatus*, *Pomatomus saltatrix*, *Pomolobus pseudoharengus*, *Pseudopleuronectes americanus*, *Prionotus scitulus*, *P. tribulus*, *Sciaenops ocellatus*, *Sarda sarda*, *Scomber scombrus*, *Spheroides maculatus*, *Stenotomus chrysops*, *Tautoglabrus adspersus*, *Trachinotus carolinus*, *Tylosurus marinus*).

## DISTOMA—Continued.

[*vitreum* Sars (a tunicate).]

*vitrinæ* Targioni Tozzetti, 1873, 335-336 (in vitrine).

*vitta* Duj., 1845a, 418 (in *Mus sylvaticus*; Rennes) to (*Brachylaimus*).—Braun, 1901e, 340.—Cobbold, 1879b, 316.—Dies., 1850a, 396.—Stoss., 1892, 13 (in *Mus sylv.*; Rennes).

*viverrini* Poir., 1886, 27-29, pl. 3, figs. 1-3 (in liver of *Felis viverrinus*).—Braun, 1892a, 699; 1893a, 875; 1893f, 425; 1893, 350, 352, 353.—Looss, 1899b, 675.—Mont., 1888a, 58; 1893, 43, 83, 86, 95, 102, 105, 106, 107.—Stiles & Hass., 1894c, 427-428 to (*Dicrocoelium*).—Stoss., 1892, 24.

*viripara* Ben., 1870, 1871a, 28, pl. 3, figs. 3-4 (in *Mugil chelo*; Belgium).—Braun, 1891d, 424 (in *Mugil cephalus*); 1892a, 784.—Hahn & Lefèvre, 1884a, 516 (viviparum).—Looss, 1902, 129, 137.—Sons., 1891, 253, 254-255 (in *Mugil cephalus*).—Stoss., 1898, 51 (in *Mugil chelo*; Trieste).

*viriparæ fasciata* Linst., 1877b, 186 (in *Vivipara fasciata*); 1878a, 322.

*viriparum* Olss., 1868, 28-29, pl. 4, figs. 73-75 (in *Pleuronectes microcephalus*; Scandinavia).—Braun, 1892a, 785, 786; 1893a, 873.—Looss, 1901, 439, 442.—Mont., 1893, 82.—Nicoll, 1907, 82.—Odhn., 1902, 59, 61.—Sons., 1891, 255 (in *Pleuronectes microcephalus*).—Stoss., 1886, 38.

*volvens* Nord., 1833, 321, pl. 19, for *Diplost. volvens*.

*vulpina* Abildg., 1790, 63-64, pl. 5, figs. 6 a-c (syn. *Alaria*).—Baird, 1853a, 46.—Brand., 1888a, 60 (syn. of *Hemist. alatum*).—Dies., 1850a, 308 (syn. of *Hemist. alatum*).—Nitzsch, 1819, 399 (syn. of *Holost. alatum*).—Rud., 1809a, 403.

*wachnia* Rud., 1819a, 122, 427, based on Tilesius, 1810, 363, 374, pl. 19, figs. 8-10 (in *Gadus wachnia*).—Cobbold, 1858b, 157 (= *D. simplex*, *D. fulvum*).—Dies., 1850a, 398 (in *Gadus wachnia*).—Rud., 1819a, 122, 427.

*wedlii* Cobbold, 1860a, 18 (*D. pelophylacis esculenti* renamed) (in *Rana esculenta*).—Stoss., 1889, 71.

*westermani* Kerbert, 1881a, 529-578, pl. 26-27, for *westermanii*.

*westermanii* Kerbert, 1878a, 11 Nov., 271-273 (in Königstiger; Amsterdam).—Bettend., 1897a, 7 (*westermanii*); 1897b, 311 (*westermanii*).—R. Bl., 1891a, 610-611 (*westermanii*) (syn. *D. ringeri*); 1895, 34, 39, 188; 1895, 649, 932, figs. 47-116.—de Bonis, 1882, 148 (*westermanii*).—Brand., 1888a, 50 (*westermanii*); 1890a, 577 (*westermanii*); 1891d, 7 (*westermanii*).—Braun, 1892a, 586, 588, 589, 597, 602, 604, 605, 607, 622, 628, 644, 645, 654, 664, 665, 666, 668, 669, 671, 675, 677, 679, 682, 699, 700, 701, 703, 705, 707, 711, 712, 713, 715, 717, 718, 719, 723, 724, 725, 727, 728, 730, 733, 735, 736, 752, 753, 758, 784, 785 (*westermanii*); 1893a, 876, 882 (*westermanii*); 1893b, 185 (*westermanii*); 1895b, 142-143, fig. 58 (*westermanii*); 1899g, 491, 492 (type of *Paragonimus*) (*westermanii*); 1900h, 3, 5, 6 (*westermanii*); 1901e, 329, 330, 332, 333 (*westermanii*); 1903, 3 ed., 155 (*westermanii*) (to Parag.).—Buttel-Reepen, 1902, 185 (*westermanii*).—Cobbold, 18801, 139-140, pl. 10, figs. 1-3 (*westermanii*); 1884g, 976 (*westermanii*).—de Does, 1903, 409-412 (*westermanii*); 1905, 278-279 (case in dog) (*westermanii*).—Dubler, 1892a, 78 (in panther) (*westermanii*).—Fischer, 1883a, 8, 29 (*westermanii*).—Gamb., 1896a, 63 (syn. of *D. pulmonale*) (*westermanii*).—Gronkowski, 1902a, 522 (15) (*westermanii*).—Huber, 1896a, 576, 577 (syn. of *D. pulmonale*) (*westermanii*).—Inouye, 1893a, 79-86; 1897a, 175-178 (2 brain cases); 1903a, 120, 122, 123 (*westermanii*).—Jackson, 1888, 643 (*westermanii*).—Juel, 1889, 14, 33, 37 (*westermanii*).—Kath., 1894a, 143 (*westermanii*).—Katsurada, 1900d, 506-523, figs. 1-3, pl. 14-15, figs. 1-8 (Japan) (*westermanii*); 1902b, 50-52; 1904, v. 2 (3), 22; 1904f, 148, 157 (occurs in cats and dogs) (*westermanii*).—Kiyono, Suga & Yamagata, —, 261, 262, 263.—Lander, 1904a, 10, 16 (*westermanii*); 1904, April 9, 580.—LeCount, 1904, 580 (eggs).—Linst., 1890f, 178 (*westermanii*).—Looss, 1885b, 6, 7, 10, 14, 15, 16, 17, 26, 27, 36, 37 (*westermanii*); 1894a, 118, 180, 198 (*westermanii*); 1899b, 560, 561 (type of *Polysarcus*) (*westermanii*); 1905, 84 (to Parag.) (*westermanii*).—MacCallum, 1899, 708 (*westermanii*).—Mackenzie, 1904a, 1133-1135 (case in Portland, Oreg.); 1904b-c; 1904, May 7, 745, 758, 901; 1904, June 15, 193; 1905, Jan. 10, 790 (case) (*westermanii*).—Manson, 1901, 541 (syn. of *D. ringeri*) (*westermanii*).—Monicz, 1896, 86, 144-152 (*westermanii*).—Mont., 1888, 18, 24, 32, 33, 36, 39, 54, 56, 64 (*westermanii*); 1893, 1-229, pl. 1-6; 1893, 6, 26, 36, 38, 155 (*westermanii*).—Poir., 1885, 26, 27, 149 (*westermanii*).

## DISTOMA—Continued.

- manii. —Pratt, 1898, 361.—Shaw, 1901, 1027 (westermanni).—Simon, 1897, 259 (syn. of *D. pulmonale*) (westermanni).—Sons., 1895, v. 9, 291–292; 1896, 297, 302 (westermanni); 1896, July, 534–535.—Stiles, 1894i, 57–58, figs. 1–4 to (*Mesogonimus*): 1894k, 5 pp., 4 figs.; 1894l, 107–110, figs. 1–4 (Ward's case in U. S. A.); 1894m, 756; 1898, 96.—Stiles & Hass., 1898a, 96 (westermanni); 1900a.—Stoss., 1892, 32 (to *Mesogonimus*) (westermanni).—Taniguchi, 1903, Dec., 100, 102 (westermanni).—Tyson, 1903, 3 ed., 1181 (westermanni).—Ward, 1894, 355–357, 358–360 (westermanni); 1894, 362–364 (westermanni); 1895, Feb., 87–89 (westermanni in U. S. A.); 1895, Mar. 2, 236–239, figs. 1–3 (westermanni); 1895, 304–309 (westermanni); 1895, 238 (man, tiger, cat, dog), 244–246, figs. 4–6 (westermanni); 1895, 328 (in *Homo*), 341 (in *Canis familiaris*); 1896, 5 Nov., 709 (westermanni); 1903, 867 (to *Parag.*).—Weber, 1891, lxxxiii–lxxxiv (tiger, Sumatra) (westermanni).—Ziegler, 1883, 544, 556, 557 (westermanni).
- westermanni* Leuck., 1889, 404, 408, 409, for *westermanii*.
- winogradoffi* Jaksch, 1897a, 219 for *sibiricum*.
- xanthosomum* Crep., 1846a, 138 (in *Colymbus septentrionalis*; Germany).—Braun, 1892a, 679, 699; 1893a, 875; 1893f, 427; 1902b, 7 (to *Metorchis*), 8, 9.—Cobbold, 1860a, 15.—Dies., 1858e, 355 (in *Podiceps minor*).—Linst., 1873, 101.—Loes., 1896b, 58.—Stoss., 1892, 187.—Wagener, 1857, 22, figs. 3, 4 (in *Pod. mi.*).
- zschokkei* Volz, 1899, 231–234, 237, pl. 20 (in *Heterodon platyrhinus*).—Braun, 1901, 944; 1902b, 65.—Luehe, 1899, 532, 533; 1900, 561.—Pratt, 1903, 25.
- DISTOMACEA** Weinland, 1859, 280 (family of Trematodes).—Stiles & Hass., 1898a, 87, 90.
- DISTOMATA** Zed., 1800a, 163, pl. of *Distoma*.—Bojanus, 1817b, 275, 276.—Jackson, 1888, 653.—Loomis, 1885, 394.—Wyman, 1851, August, 65–66 (development).
- hominis* Taylor, 1884, 27 issue, 44–54, figs. 1–5, apparently used as “distomes of man.”—Ward, 1895, 246 (syn. of *Fasc. hepatica*).
- DISTOMATIDÆ** Gamb., 1896a, 73, family name (*Distoma*).
- [**DISTOMATINÆ** Senn, 1903 [flagellates].]
- DISTOMATOSIS** (= any infection with distomes, s. lat.): Anacker, 1885e, 438; 1889a, 22.—d'Avrilly, (1836), 208–212 (pourriture in ruminants).—Benion, 1874a, 632–646.—Bouley, —, 21–30.—de Does, 1903, 407–409.—Fenger, 1854, 173.—Gerlach, 1854, 289–292 (liver fluke).—Grassi, (1884b); 1885a, 229–234.—Hilgen-dorf, 1885a, 127–130.—Hurtrel D'Arboval, 1838, 255 (cachexie); 1874a, 224–230, figs. 95–98.—Hurzard & Tessier, 1817a, 14 pp. (bovine).—Jamieson, 1897b, 147–148.—Le Roy de Mericourt, 1870a, 391–400.—Luciano, (1846a).—Mégnin, 1884, 52–55 (ruminants).—Montel, 1906, 258–262 (pulmonary).—Moulé, 1885, 501.—Perroncito, (1874), 35–36, 1 pl.; (1885), v. 28, 83–86.—Rail., 1896, 159.—Raynaud, 1859, v. 33, 488 (ruminants).—Reynal, 1856.—Schell, 1855–56.—Semmer, 1885, 438.—Signol, 1884, 33–34, figs. 16–18.—Velzen, 1891, Jul., 141.—Veterinarian, 1836, v. 9, 227–228; 1880, Aug., 548–549.—Zuendel, 1874, 224–230, figs. 95–98; ?1880, 30.
- , *hepatic*: Anacker, 1885d, 380–382.—Deutsche tierärztl. Wchnschr., Han-nover, 1904, Jun. 4, 226.—Gómez, 1879a, Mar. 1, 81–89.—Matsumoto, 1891, 9–12.
- , *diagnosis of*: Cobb, 1904, 658–669 (eggs as quantitative aid); —, v. 8, 481.—Manson, 1901, 543.—Solowjew, 1904, v. 11 (7), 218; 1906, v. 10, 37.
- , —, *hepatic*: Brusaferro, 1887c, 296–304.—Garcia, 1884a, 129–135.
- , *etiology of*: Albanese, 1906, v. 55 (25), 597–602 (toxicity of aqueous extract).—Am. Vet. Rev., 1898, xxii, 82 (Hawaiian Islands).—Mégnin, 1881, 105–108 (ruminants); 1881, 182–183.—Reynes, 1869, 30–36 (hepatic).—Schaper, 1890, 17–18; 1890, 1–95, pls. 1–5; 1889, 96 pp., 5 pls. (and pathology: in domesticated animals).—Staiger, 1876.—Veterinarian, 1879, v. 52, Nov., 807–808 (rainfall).
- , *geographic distribution of*: Akanuma, 1892, 22–27 (hepatic, Saitama district); 1894, 6 (Province of Toyama).—Corlette, 1897a, 146–147 (Sydney).—Gaide, 1905, 568–579 (hepatic, Tonkin).—Kermorgant, 1905, Feb. 7, 104 (Tonkin); 1905, Feb. 8, 88; 1905, Apr. 11, 731; 1905, May 20, 463–464; 1906, Jan. 31, 64 (Tonkin).—Monsarrat, 1898a, 82 (Hawaiian Islands).
- , *in various animals*: Bolotoff, 1890a, 695–696 (domesticated).—Delafond, 1854a, 56 pp., figs. 12–13.—Didry, 1832a, 139–147.—Léger, 1897h, 957–958 (des pélecypodes).—Mangin, 1832, 420.—Sauer, 1898, Nov. 8, 421.

## DISTOMATOSIS—Continued.

- , IN CATTLE: Aragon, 1896, 451-456, figs. 1a-3a (hepatic).—Bilhuber, (1791a), (and sheep).—Blakeway, 1879a, 260.—Buuck, 1865a, 33-35.—Collyer, 1893a, 347.—Cornil & Petit, 1901a, 178-179; 1901b, 614; 1901c, 375; 1902a, 114-115; 1902b, 117; 1902c, 57-58 (atrophic cirrhosis).—Curtice, (1891b), Jan. 24.—Jäger, 1906, v. 32 (4-5), 456-476, 2 fig. (hepatic); 1906, Aug., 382.—Lucet, 1890b, 548-549 (lungs); 1890c, 549-550 (rate).—Pease, 1895, May, 326-328; —, 5-8 (and buffaloes; India); —, 590-594.—Repiquet, 1899, May 31, 271-272, figs. 2-3; 1899, Nov., 816 (abdominal wall).—Veterinarian, 1880, Feb., 115-116; 1881, May, 317-318.—Watson, 1902, Mar., 145-151 (Connaught).
- , *pulmonary in cattle*: Mackh, 1889, 308-309.—Meltzer, 1894, n. 48; 1895, 137.—Morot, 1887, 38-39; 1887, 64-69; 1890, 407-409.—Rail, 1885, Aug., 285-286 (Dist. hep.).—Rivolta, (1868), 9; (1868), 267; (1868), 296-300; 1869, 473; 1869, 73-75.—Tapken, 1891, 241.
- , *bronchial in cattle*: Morot, 1893, 141-144; 1893, 249.
- , *heart, cattle*: Covu, 1898a, 1898, 98.—Muscle, cattle: Willach, 1892, 239.
- , IN DOG (*Canis fam.*): de Jong, 1896a, 1-12, pl. 1, figs. 1-4 (hepatic) (and cat); 1897a, 245-246; —, 479 (and cat; hepatic).—Kurimoto, 1894a, 45-49.—Zwaardemaker, 1888, Oct. 15, 679; 1890, Feb., 134-140 (and cat); 1890, May, 197-203, figs. 1-2; 1890, Aug., 276-277; 1890, 139-140.
- , IN DEER: Bassi, 1875; 1876, 235.
- , IN HORSE: Adams, 1876, Nov., 764-765 (hepatic).—Galli-Valerio, 1893a, 173-182; 1895c, 266 (gall duct); 1895c, 558.—Willach, 1892, v. 18, 118 (lungs).
- , IN MAN: Cobbold, 1884g, 976;—Florance, 1866a, 36 pp.—Grall, 1887a, 459-470, 4 figs.
- , —, *hepatic* (see also fascioliasis): Allen, 1881b, 257.—Caracoe, 1888a, 44 pp., 4 figs. (Asia).—Cobbold, 1875i, 423; 1875k, 780-781.
- , —, *hepatic, Japan* (see also opisthorchiasis): Akanuma, 1892, 22-27.—Aoyama, 1891a, Apr. 5.—Hori, 1890a, Feb. 5.—Inoue, Oaknishi & Katsurada, 1891a.—Kajama & Nanba, 1892a, 32-36.—Katsurada, 1890a, 38-41 (cirrhosis); 1891a, 20-32, 2 figs., 26-41, 2 figs. (Okajamaken); 1892a, 9-32, 28-32, 31-40, 27-32, 27-33, 18-21 (pathology); 1893a, 73-79; 1897a, 11-19, 3 figs. (pathology); 1899c, 38-45, 1-16 (pathology); 1900a, 1-9, 1-10, 1-5 (pathology).—Kurimoto, 1893a, 1-7, 21-24, 35-24, 35-39, 1 pl. (Provinz Saga); 1893b, 67-69, 85-87, 109-111.—Nochezuki & Tsutsumi, 1899a, 13-24.—Otani, 1892, 1-17 (Nagasaki district).—Winoue, 1892, Jun. 20, art. 2.
- , —, *intestinal*: Ghose, 1869a, 210-211.
- , —, *pulmonary* (see also paragonimiasis: [Gouveá, 1895a, 46 pp.; 1897a, 308-309, Fasc.])
- , —, *renal* (see also bilharziosis): Duval, 1842a, 769-772; 1842, 9.
- , —, *subcutaneous*: Malherbe, 1898, Jan. 22, 49-50, figs. 4-11; 1898, Mar. 12, 476; 1898, Dec. 24, 1289.
- , IN RABBIT (*Lepus*): Rail, 1887, Jul., 324-325.
- , IN SHEEP [nearly all articles on distomatosis in sheep refer to fascioliasis, q. v.] [liver rot, rot, etc.]: Agric. J., Cape Town, 1894, v. 7, 232-233.—Agric. J., Cape Town, 1891, v. 4, 161; 1892, Jan. 14, 160.—Alexander, 1906, Feb. 16, 3-4.—Am. J. Micr., 1880, Jun., 135.—Bass, 1893a.—Bidloo, (1697a).—Boissou, 1878a, 183-189 (Peyrat-le-Château).—Brown, 1861a, 347-379; 1861b, 617-619; 1881a, 326-337; 1886b, 613-615.—Bruce, 1895a, 486-490.—Cobb, 1897a, 453-481, figs. 1-18, 1 pl.; 1897b.—Cobbold, 1880c, 257-258; (1880d), Apr. 7.—Dickens, 1830a, 645-647.—Edin. Vet. Rev., 1863.—Exper. Station Rec., Wash., 1903, Nov., 304.—Fonsagrives, 1868a, 299-315, figs. 1-2.—Halse, 1887a; 1888a, 147-149.—Hamilton, 1880a, 290.—Hamont, 1834a, 537-546, 587-592 (Egypt).—Harrison (1804a).—Hedwig & Reutter (1790a); (1790b), 342.—Hering, 1852a, 117-128.—Hoefnagel & Reeser, 1905, Jun.; 1906, Jan. 1, 50.—Hogo, 1903a, 603.—Hutcheon, 1903n, 603-604; 1905, Jan., 33-48.—Jones, 1894a, 274 (Australia).—J. Comp. M. & S., 1880, Jul., 173.—Joy, 1846a, 297-298.—Karkeek, 1831a, 573.—Kingdon, 1861, Apr., 224-225.—Leeuwenhoek, 1704, 1522-1527; 1705, 1522.—Lesson, (1846a).—Marshall & Hurst, 1887, 25-35.—Moodie, 1903, Jun., 726-727.—Nosotti, 1906, (5): 1906, Jun., 141.—Oekon. Nachr. d. Ges. in Schlesien, —, B. 1, 242.—Rail, 1890, 422.—Ratz, 1899, 616-618 (in spleen).—Rolleston, 1880, Apr. 14.—Rowe, 1872, Sept. 7; 1873, Feb., 120-128 (in Australia).—Salvagnoli-Marchetti, 1856,

## DISTOMATOSIS—Continued.

- 52-56; 1856, 76 pp.—Samml. v. Natur- u. Med.-Geschichten, Breslau, 1718a, 694.—Schaeffer, 1753; 1762.—Schiller, 1844, 285-288 (Hungary).—Sheldon, 1881, 107-109 (England).—Simonds, 1861, 274; 1862.—Steel, 1890, 135-172, figs. 29-48.—Stewart, 1900, Oct., 10 pp.—Veterinarian, 1836, v. 9, 539-540; 1863, v. 36, 100; 1863, Mar., 157; 1872, Aug., 542; 1873, Feb., 155-161; 1879, May, 359-360; 1880, Mar., 201-202; 1880, Feb., 136-137; 1880, Jun., 402-403 (Sussex); 1881, Mar., 178-179; 1881, Jan., 29-30; 1882, Nov., 362; 1883, Feb., 130-132.—Wells, 1883, Apr., 171.—Williams, 1895, Dec., 92-93 (Australia).—Zambelli, 1874.—Zuendel, 1880, Apr. 15, 326-336; 1880, 30 pp.
- , MISCELLANEOUS: Harz, 1881c, 1-15, pl. 1 (in *Astacus*).—Rail, 1887, Aug., 559-560 (pulmonary); 1887, 392.—Vallada, 1882, 35-39 (crayfish and crabs).—Zuendel, 1881, 459-465; 1881, Oct., 833-848, 1 pl., figs. 1-3; 1882, Mar., 196-202, figs. 1-3 (des *écrevisses*).
- , PATHOLOGY AND LOCATION of: R. Bl., 1901b, 204-212, 218-219; 1901c, 581-589.—Bossuat, 1902, 161-206 (hepatic); 1902, 56 pp.; 1903, Jan. 17, 12; 1903, Feb. 28, 115-116; 1903, Aug. 14, 533-534; 1905, July, 76.—Bonvicini, (1881a), 133-134 (hepatic); 1882a, 114.—Colucci, 1882, 535-568.—Hamont & Fischer, (1834b), 129.—Inoue, 1897b, 1-5; 1898a, 8-32, 25-40, 16-40, 17-28 (Japan); (1899a), 20, 15, 1, 1, 1; 1900b, 1-23 (pulmonary); 1900c, 515, 664, 739.—Inoue & Katsurada, 1891a, 8-12, 1 pl. (hepatic).—Katsurada, 1892.—Macgregor, 1877.—Miura, 1889, 310-317, pl. 7, figs. 1-3.—Morot, 1889, 37 (cattle); 1890, 732-734.—Pastor, 1897; 1900, 617-618 (hepatic).—Perroncito, 1887, Mar. 3, 97-112.—Pilavios, 1894, 407 (lungs, cattle); 1894, 579; 1895, Apr., 133.—Sodero, 1889, Nov. 30, 484-490, figs. 1-2 (hepatic); 1892, 161.—Spengel, (1892), 146-147.—Taniguchi, 1904, 100-121; 1905, July 29, 508-509 (cerebral).—Toichiro, 1883, Feb. 23.—Yamagiwa, 1899; 1890 (cerebral, man).—Zacharias, 1892, Dec. 3, 752-753 (cysts).
- , mortality from: Veterinarian, Lond., 1836, Apr., 225-228; 1880, Apr., 246-247; 1880, Sept., 650-664.
- , symptoms of: Aitken, 1866, 42; 1872, 207.—Anders, 1903, 6 ed, 1245.—Inoue & Kodama, 1896a, 14-21.—le Ray, 1897a, 372-386.
- , prevention of: Agric. J., Cape Town, 1894, Sept. 20, 442.—Bennett, 1876a, 677-680.—Manson, 1901, 543.—Stiles, 1902, pp. 220-222, figs. 197-203; 1905dd, 220-222, figs. 119-128.—Tierarzt, Wetzlar, 1904, May, 99-100.—Veterinarian, 1837, Aug., v. 10, 442-444.
- , treatment of: Agric. J., Cape Town, 1898, Aug. 4, 138-139.—Anders, 1903, 6 ed., 1245.—Armatage, 1895, 445-454.—Bekker, 1893, Jan. 26, 23.—Fegliata, (1887a), 61-62.—Khouri, 1904, 80 (rhubarb).—Riomeai, 1883, Sept. 5 (pulmonary); 1884, Feb. 16.—Romagli, 1903, Feb. 25; 1903, May 31, 301 (salol, sheep); 1903, June, 245; 1903, July 1, 513-519; 1904, Jan. 1, 9; 1904, Apr., 89-90.—Tappemeier, 1900, 97-105; 1900, Dec. 11, 1729-1731.—Universal Mag., 1838, (1748).—Vallada, 1857; 1859, Aug., 538-595.—Verhandl. d. Arb. d. Oekon. Patriot. Soc. d. Fürstenth. Schweidnitz u. Janer, 1818, 323.—Veterinarian, 1838, Mar., 112 (salt); 1873, Oct., 698-699.
- DISTOMEA Mont. [not Distomea (Protozoa)]. See Braun, 1890a, 516.—Ols., 1893.—Stiles & Hass., 1898a, 87, 90. See also Leuck. (1856), f. name.
- DISTOMEÆ Leuck., 1863a, 527 (fam. name).—Brand., 1888a, 49; 1891c, 730.—Braun, 1883a, 38, 58; 1893a, 886.—Jackson, 1888, 644.—Schneidemuehl, 1896, 296.—Stiles & Hass., 1898a, 87, 90.—Tasch., 1879, 234.—Zuern, 1882, 113.
- DISTOMEÆ Mont., 1888a, 7, 8, 9, 11, 12, 14, 15, 16, 18, 22, 27, 31, 34, 35, 36, 37, 38, 41, 47, 48, 49, 51, 52, 53, 54, 56, 57, 60, 73, 84, 90, 92, 102, 104, 108.
- DISTOMIDA Manson, 1903, 3 ed., 606 (probably for Distomidae).
- DISTOMIDÆ Cobbold, 1860a, 1-56 (synopsis of tribe); 1877f, 326; 1879b, 4.—Brand., 1890a, 576.—Braun, 1883a, 59; 1890a, 515, 538; 1893a, 886, 890, 895, 900, 907; 1895b, 136.—Caullery, 1902, 21-24 (ascidian).—Haswell, 1887a, 286.—Haymann, 1905, 81-100, 1 pl. (from chelonians); 1906, Mar., 178.—[Herdman 1890, 617 (family of Ascidiae compositae)].—Hoyle, 1890, 539 (includes: Dist. Fasc., Bilharzia, Echinost., Amphist., Gastrodiscus, Homalogaster, Gastrothylax, Eurycealum).—Jackson, 1888, 643, 646, 647, 648, 654 (key).—Jacoby 1899c, 1-30, 2 pls.—Kholodk., 1898, 25.—Klein, v. 22, 59-80, 1 pl. (from Rana); 1906, Mar., 178.—Leuck., 1886d, 30, 90, 442.—Levin., 1881a, 67.—Looss, 1899b, 541, 542, 543, 659 (contains Amphistominae Looss, Fasciolinae Looss) [not Distomidae, ascidian, see Herdman, 1900, 82]; 1900d, 601-603

**DISTOMIDÆ—Continued.**

(genera, nomenclature): 1901, 191, 196; 1902b, 120; 1902m, 838; 1904i, 21–22.—MacIaren, 1904, 598, 605, 608, 610, 611, 612, 613.—Montgomery, 1906, Feb. 12, 16.—Mont., 1888a, 7, 15, 17, 18, 20, 24, 28, 30, 43, 52, 56, 60, 68, 90, 92, 104 (subf.); 1891, 449, 516; 1892, Oct. 7, 214 (fam. of *Malacocotylea*); 1893, 153, 154, 155; 1893, 229; 1894, June 2, 872–874; 1894, Nov. 1, 16–21.—Mueh., 1898, 21.—Nickerson, 1902, 610.—Schneidemuehl, 1896, 295, 296.—Stiles, 1905z, 14.—Stiles & Hass., 1898a, 87, 89, 90; 1900a, 558–611, 2 pls., 6 figs.—Stoss., 1898, 22.

**DISTOMIDEA** Ben., —.—Carus, 1863, 478.—Mont., 1888a, 84.

**DISTOMIDÉS** Bl., 1888a, 541, 542, 543 (includes Dist., Amphist., Bilharzia), French name.

**DISTOMIDI** Mont., 1892, Oct. 7, 191.

**DISTOMIDÆ** Montgomery, 1906, Feb. 12, 17 (for Distomidæ).

**DISTOMII** Duj. of E. Bl., 1847, 277 (includes: Distomidæ, Amphistomidæ, Holostomidæ).

**DISTOMINÆ** Mont., 1892, Oct. 7, 214 (subf.).—Braun, 1893a, 890.—Looss, 1899b, 541.—Mueh., 1898, 21.—Stiles, 1905z, 14.—Stiles & Hass., 1898a, 90.—Stoss., 1898, 22.

**DISTOMINEA**, see Stiles & Hass., 1898a, 87.

**DISTOMOMUM** Sons., 1894, 172 (for Distomum).

**DISTOMOSE**, see distomatosis, Rail., 1896, 159, name of disease.

**DISTOMOPSIS** Rafinesque, 1815, 151 (new name for Dist. Zed., hence type *Fasc. hepatica*).

**DISTOMCLUM** Brand., 1892, Oct. 7, 510 (see Agamodist.).—Stiles & Hass., 1898a, 82, 87 (syn. of Agamodist. Stoss., 1892).—Stiles, 1902s, 29; 1904i, 12.

**DISTOMUM** Dies., 1850a, 141, for Distoma.

**DISTOMUS** Gærtner, 1774, tunicate.

*mamillaris* Gærtner in Pallas, 1774, 20, also index.

*variolosus* Gærtner in Pallas, 1774, 35, 40, pl. 4, fig. 7, tunicate.—Lamarck, 1816, v. 3, 101.

**DISTOMUS** Lænnec, 1812c, 9–12 (m. intersectus).

*intersectus* Lænnec, 1812c, 9–12.

**DISTONUM** Goto, 1891a, 181.—Laspeyres, 1904a, 5, 12 (for Distomum).

**DOLICHODEMAS** Looss, 1900, 603, 608, Dolichosomum Looss, 1899 (not Dolichosoma Steph., —, coleopt.; not Huxley, 1867, saur.) renamed, hence type lorum Duj., 1845); *τὸ δέμας*, body.

**DOLICHOSOMUM** Looss, 1899b, Dec., 652–653, 655 [not Dolichosoma Steph., —, coleop., not Dolichosoma Huxley, 1867, saur.] m. lorum; *δολιχός* long, *τὸ δέμας* body; 1900, 603, 608 (renamed Dolichodemias).—Braun, 1900h, 13; 1901i, 56.—Luche, 1900, 557.—Ofenheim, 1900, 183.  
1899: Dolichost. Looss, 1899b, 551, 652, misprint.

lorum (Duj., 1845a) Looss, 1899b, 653.

**DOLICHOSTOMUM** Looss, 1899b, Dec., 551, 652, misprint for Dolichosomum.

**DYSTOMA** Bojanus, 1817b, pl. ix (for Distoma).

*amphistomoides* Bojanus, 1817b, 270–277, pl. 9, figs. 1–6 (in Castor fiber).

*hepaticum* (Linn., 1758) Most, 1836, v. 1, 581, see sub Distoma.

*krohnii* Kœlliker, 1849d, 65 (in cephalopod), see sub Distoma.

**ECHINATA** (Echinostoma) Rud., 1809a, 415 [the term Echinata is probably not used in a nomenclatural sense].

**ECHINELLA** Ben. & Hesse, 1864, 93–94 (not Achar., 1803, poly.; not Swains., 1840, mollusk) (m. hirundinis).—Braun, 1890a, 408, 410, 446, 511, 516, 517, 523, 531, 532; 1893a, 890.—Gamb., 1896a, 73.—Mont., 1888a, 86, 88, 98; 1891, 111; 1903, 336 (subf. Udonellinae).—Pratt, 1900a, 646, 649 (key), 655, fig. 13.

*hirundinis* Mont., 1888a, 10 (for hirundinis).

*hirundinis* Ben. & Hesse, 1864, 94, pl. 8, figs. 17–19 (in *Trigla hirundo*).—Braun, 1890a, 418, 532, 548, 550, 552.—Mont., 1888a, 10 (hirundinis).—Pratt, 1900a, 655, fig. 13, 657.—Tasch., 1878, 573 (to Udonella).



- ECHINOSTOMA**<sup>a</sup> Rud., 1809a, 37-38, 415 [tld. *echinatum*].—Baird, 1853a, 55.—Blainv., 1828a, 587-588.—R. Bl., 1891, 609.—Brand., 1892b, 506.—Braun, 1892a, 567, 568, 578, 584, 699, 708, 772, 815; 1893a, 821, 884, 885, 890, 909, 911; 1895b, 121, 138; 1900b, 3; 1901b, 29, 33, 34; 1901c, 315, 328; 1901, 562; 1902b, 26, 117.—Cobbold, 1858b, 162; 1860a, 32; 1864b, 32; 1879b, 461-462.—Dies., 1850a; 1855c; 1858c; 1859c.—Duj., 1845a, 423.—Fil., 1855b, 25; 1857c, 28.—Fuhrmann, 1904, 62.—(Goeze, 1782a).—Hoyle, 1890, 539.—Jackson, 1888, 643, 654.—Kowal., 1897c, 554-565, figs. 1-8 (in chickens and ducks); 1897d, 554-565, figs. 1-8; 1897e, 407-408; 1898e, 412; 1898h, 107.—Kamensky, 1900a, 3.—Leuck., 1863, 456.—Looss, 1894a, 172, 249, 251; 1896b, 120, 138, 142; 1899b, 527, 534, 535, 538, 542, 551, 571, 572, 573, 574-575, 576, 578, 579, 582, 625, 696; 1900d, 603; 1901b, 194, 199, 200, 201, 209; 1901e, 628, 655.—1902m, 455, 457, 781, 786, 804, 816, 817, 830.—Luehe, 1899k, 532; 1900u, 489; 1900aa, 563.—Mont., 1888a, 12, 14, 24, 92, 105; 1892, Oct. 7, 214 (gen. of *Diotominæ*); 1892, 704; 1893, 150, 152, 153, 154, 158, 161.—Moul., 1856a, 15.—Odhn., 1902, 20, 21, 38.—Pratt, 1902a, 888, 895.—Rail., 1900, 242.—Rud., 1809a, 37-38, 415; 1814a; 1819a.—Stiles, 1901, 197.—Stiles & Hass., 1894; 1898a, 87 (type *echinatum*), 88, 96.—Stoss., 1892, 4, 5, 28; 1898, 52; 1899, in 11-16.
- acanthocephalum* (Stoss., 1887) Stoss., 1898, 57 (in *Belone acus*; Trieste); 1899, 1, 6 (to *Tergestia*).
- acanthoides* (Rud., 1819) Cobbold, 1860a, 33.—Braun, 1901e, 315.—Duj., 1845a, 424 (in *Phoca vitulina*; Berlin).—Looss, 1899, 581.—Stoss., 1892, 29 (in *Ph. vit.*; Baltic); 1899, 14.
- africanum* Stiles, 1901k, 594 (*E. bursicola* Looss, renamed).
- anceps* (Mol., 1859) Stoss., 1892, 168 (in *Fulica atra*; Padova); 1899, 13.—Looss, 1899b, 581.
- annulatum* (Dies., 1850) Cobbold, 1860a, 36 (in *Gymnotus electricus*; Brazil).—Looss, 1899, 581.—Stoss., 1899, 14.
- apiculatum* (Rud., 1803) Cobbold, 1860a, 35.—Looss, 1899b, 581, 696.—Stoss., 1892, 173 (in *Strix flammea* L., Greifswald; *Syrnium aluco* L., Vienna); 1899, 14.
- armatum* Fuhrmann, 1904, 61-63, fig. 3 (in *Rostrhamus sociabilis*).
- asperum* (Wright, 1870) Stoss., 1892, 164 (in *Botaurus minor*; North America); 1899, 13.—Looss, 1899b, 581, 695, 696; 1902m, 817.—Odhn., 1902, 38.
- baculus* (Dies., 1850) Cobbold, 1860a, 36 (in *Mergus albellus*); 1860, 31.—Looss, 1899b, 581, 693.—Nicoll, 1906, 154.—Stoss., 1892, 163 (in *Mer. alb.*; Ratzeburg); 1899, 14.
- beleocephalum* (Linst., 1873) Stoss., 1892, 169 (in *Ardea cinerea* L.; Ratzeburg); 1899, 14.—Looss, 1899, 581, 687, 695.
- bicoronatum* (Stoss., 1883) Par., 1902, 5 (in *Corvina nigra*, *Umbrina cirrhosa*; Portoferrajo).
- bilobum* (Rud., 1819) Cobbold, 1860a, 35.—Looss, 1899, 572, 581, 684-685, 687, fig. 8; 1901b, 201, 209 (with *E. ramosum* probably represents a subg. of *Echinost.*).—Odhn., 1902, 38.—Stoss., 1892, 171-172 (in *Fulica atra*, *Plegadis falcinellus*; Padova and Vienna; *Platalea leucorodia*; Venice); 1899, 13.
- bursicola* Looss, 1899b, 694-696, figs. 19-20 (in *Milvus parasiticus* at Adeleninsel, Heluan, Apr.; *Falco tinnunculus* at Dachschur, Jan.).—Braun, 1901, 18; 1902b, 74.—Stiles, 1901s, 593-594 (renamed *africanum*); 1902cc, 360.
- cesticillus* (Mol., 1858) Mont., 1893, 158-161, pl. 5, figs. 56-60, pl. 6, fig. 68.—Bargallo & Drago, 1903, 11 (in *Seriola dumerili*, *Torpedo ocellata*, *Umbrina cirrhosa*; Catania).—Looss, 1894a, 252 (Dist. *valdeinflatus* as syn.); 1899b, type of *Stephanost.*—Stoss., 1898, 54 (in *Zeus faber*, *Lophius piscatorius*, *Corvina nigra*, *Umbrina cirrhosa*; Trieste).
- cinctum* (Rud., 1803) Cobbold, 1860a, 35 (in *Vanellus cristatus*, V. *melanogaster*).—Looss, 1899b, 580, 683, 687.—MacCallum, 1904, 547.—Stoss., 1892, 172-173 (in *Vanellus cristatus*, V. *melanogaster*, *Gallinula chloropus*; Rosstock); 1896, 126; 1897, 10; 1898, 53; 1899, 12.
- cloacinum* Braun, 1901d, 259 (*D. bursicola* Crep., renamed) (in *Ardea cinerea*); 1902b, 74 (Dist. *bursicola* Crep., as syn.).—MacCallum, 1904, 547.—Stiles, 1901k, 593-594 (nomenclature); 1902cc, 360.

<sup>a</sup> Rud. originally proposed *Echinostoma* as a genus, but in the same work he used it in a way that we must also interpret it as a subgenus. For the original species see *D.* (*Echinostoma*).

## ECHINOSTOMA—Continued.

- columba livia* Mueller, 1897, 26, pl. 3, fig. 7 (in *Columba livia*).
- conoideum* (Bloch, 1782) Kowal., 1896, 5; 1897c, 554-565; 1897e, 407-408; 1898h, 111; 1902d, 27 (in *Anas boschas* dom.; Dublany); 1904, 24 (in *Anas boschas* dom.; Dublany).—Galli-Valerio, 1898m, 923.—Looss, 1899b, 581.—Rail., 1898, 412.—Stoss., 1899, 13 (in *Anas boschas*).
- coronatum* (Rud., 1819) Stoss., 1892, 30-31 (in *Didelphys virginiana*; Brazil); 1892, 37; 1899, 14.—Braun, 1901c, 319, 320 (to *Rhopalias*).—Looss, 1899b, 581.
- coronatum* (Wagener, 1852) Stoss., 1898, 56-57 (in *Corvina nigra*; Triest).—Type of *Anoiktost*. 1899.
- cristatum* (Rud., 1819) Cobbold, 1860a, 37 (in *Stromateus fiatola*).
- croaticum* (Stoss., 1889) Stoss., 1892, 165-166 (in *Carbo graculus*; Fiume); 1899, 12.—Looss, 1899b, 580.—Par., 1902, 1, 4 (in *Phalacrocorax graculus*; Caproja).
- crocodili* (Poir., 1886) Stoss., 1895, 227-228 (in *Crocodilus siamense*); 1899, 12.—Looss, 1899b, 575, 580.—Odhn., 1902, 20.
- denticulatum* (Rud., 1802) Cobbold, 1860a, 36.—Looss, 1899, 581.—Stoss., 1892, 170-171 (in *Sterna cantiaica*, Vienna; *S. hirundo*, Greifswald; *Hydrochelidon nigra*, *Anas sponsa*); 1899, 14.
- dilatatum* (Fischer, 1840) Cobbold, 1860a, 35 (in *Phasianus gallus*).—Hass., 1896a, 3 (syn. of *Echinost. echinatum* (Zed.)).—MacCallum, 1904, 547.—Stoss., 1892, 167.
- dujardini* MacCallum, 1904, 547, for *dujardini*.
- dujardini* Cobbold, 1860a, 37 (in *Pleuronectes maximus*, *P. platessa*); see *Dist. hystrix* Duj.
- echinatum* (Zed., 1803) Blainv., 1828a, 588.—Baird, 1853a, 55.—Braun, 1906, 142 (in ducks and geese).—Cobbold, 1860a, 33.—Galli-Valerio, 1898m, 923.—Hass., 1896a, 3 (syns., *D. ech.*, *D. oxycephalum*, *D. dilatatum*, *D. armatum*, *Echinost. dilatatum* (in *Gallus* dom.).—Kowal., 1894, 221; 1896, 257 (in *Corvus cornix*, *Anas crecca*); 1898g, 70; 1898h, 111, 113, 115, 116, 117, fig. 27; 1902d, 27 (in *Anas boschas* dom.; Dublany); 1904, 24 (in *Anas boschas* dom.; Gallus dom.; Dublany).—Linst., 1893, 333 (larva in *Bythnia ventricosa*, *Physa fontinalis*, *Valvata macrostoma*, *Limnaea palustris*).—Looss, 1899b, 575, 580, 679-684, 687, 693, figs. 5, 7, 10; 1901b, 201, 209; 1902m, 823.—Luehe, 1898, 625; 1901, 175.—MacCallum, 1904, 547, 548.—Mueh., 1898, 21; 1898, 71 (in *Edemia fusca*, *Colymbus arcticus*, *Ciconia alba*, *Buteo vulgaris*).—Nicoll, 1906, 154.—Nord., 1840, 621 (syn. of *Fasc. trigonocephala*).—Rail., 1898, 412.—Sons., 1897, 252.—Stiles & Hass., 1898a, 88.—Stoss., 1892, 167 (syns. *Dist. anatis fusca*, *D. armatum*, *D. dilatatum*, *D. ech.*, *D. fuligulae ferina*, *D. oxycephalum*, *D. radiatum*, *Ech. dilatatum*, *Fasc. anatis*); 1896, 127; 1898, 52; 1899, 12.—Wolffhuegel, 1900, 9, 57, 58, 59, 60, 61.—Reported for *Anas anser*, *A. boschas*, *A. clangula*, *A. clypeata*, *A. cygnus*, *A. ferina*, *A. fuligula*, *A. marila*, *A. moschata*, *A. nyroca*, *A. olor*, *A. penelope*, *A. strepera*, *A. tadorna*, *Anser albifrons*, *Archibuteo vulgaris*, *Ardea comata*, *A. gardeni*, *A. grus*, *A. nycticorax*, *A. pavonia*, *Balearica pavonia*, *Bucephala clangula*, *Carbo cormoranus*, *C. pygmaeus*, *Canis familiaris*, *Chaulelasmus streperus*, *Ciconia alba*, *C. nigra*, *Colymbus arcticus*, *Coracias garrula*, *Fuligula cristata*, *Grus cinerea*, *Machetes pugnax*, *Marca penelope*, *Pernis apivorus*, *Podiceps cristatus*, *P. minor*. Larva in: *Lymnaeus stagnalis*, *Paludina vivipara*, *P. achatina*, *Planorbis corneus*.
- echiniferum* (La Valette, 1855) Stoss., 1892, 171 (in *Scolopax gallinago*, *Mergus merganser*, *Anas boschas*, *Podiceps minor*); 1899, 14.—Looss., 1899, 581.—Wolffhuegel, 1900, 9, 56.
- echinocephalum* (Rud., 1819) Cobbold, 1860a, 34-35 (in *Falco milvus*).—Looss, 1899b, 581, 687, 696.—Stoss., 1892, 173-174 (in *Milvus regalis*); 1899, 14.
- elegans* Looss, 1899b, 692-693, fig. 18 (in *Phaenicopterus roseus*; Ghizeh).
- curyporum* Looss, 1896b, 144-146, pl. 9, fig. 93 (in *Milvus parasiticus*; Cairo; also in *Ardea cinerea*); 1899b, 580, 686-687, 690, 696, fig. 16, 17.—Fuhrmann, 1904, 62.—Stoss., 1899, 12.
- fallax* (Rud., 1819) Cobbold, 1860a, 37.—Looss, 1902m, 823.—Stoss., 1898, 56 (in *Uranoscopus scaber*; Triest).
- ferox* (Rud., 1795) Blainv., 1828a, 588.—Cobbold, 1860a, 35.—Kowal., 1902d, 28.—Looss, 1899, 581, 687; 1902m, 817.—Luehe, 1905, 176.—Mueh., 1898,

## ECHINOSTOMA—Continued.

- 21, 23, 102-105, fig. 14.—Nord., 1840, 622 (as syn. of *Fasc. trigonocephala*).—Odhner., 1902, 38 (represents a new [unnamed] genus).—Stiles & Hass., 1898a, 88.—Stoss., 1892, 164-165 (in *Botaurus stellaris*, *Ciconia alba*, *C. nigra*; Padova, Vienna, Greifswald, Rennes); 1899, 13.
- flexum* (Lint., 1892) Stoss., 1899, 13 (in *Edemia americana*).—Looss, 1899b, 581.
- fralichii* (Kowal., 1894) Kowal., 1894, 222; 1898h, 111, syn. of *E. conoideum* (Bloch).—Stoss., 1899, 13 (in *Anas boschas*).
- gadorum* Ben., 1870, 60 (in *Merlangus carbonarius*; Belgian coast).—Hoyle, 1890, 539.—MacCallum, 1904a, 547.
- garzettæ* MacCallum, 1904a, 541-548, 1 fig. (in *Garzetta nigripes* Temm.; Benakat); 1904, Oct., 532.
- hispida* of Ben., 1870, pl. 4, fig. 13.—Odhner., 1902, 157 (syn. of *Deropristis inflata*).
- hispidum* (Abildg., 1819) Cobbold, 1858b, 171, figs. 47-50; 1879b, 462, fig. 77 (in sturgeon).—Ben., 1870, 23, pl. 4, figs. 12-13.—Mont., 1893, 83.—Odhner., 1902, 155, 156, 159 (type of *Deropristis*), 157 (fig. 13 of Ben., 1870=*D. inflata*).—Stoss., 1898, 57-58 (in *Acipenser sturio*; Triest); 1899, 14.
- imbutiforme* (Mol., 1859) Stoss., 1898, 55-56 (in *Labrax lupus*; Triest).
- incrassatum* (Dies., 1850) Cobbold, 1860a, 33 (in *Lutra solitaria*; Brazil).—Braun, 1901e, 317, 328, pl. 19, figs. 5, 8, 9.—Fuhrmann, 1904, 64.—Looss, 1899, 581.—Stoss., 1892, 30 (in *Lutra solitaria*; Brazil); 1899, 14.
- inermis* Fuhrmann, 1904, 63-64, fig. 4 (in *Lutra*).
- inflatum* (Mol., 1859) Stoss., 1898, 58 (in *Anguilla vulgaris*; Triest).
- labracis* (Duj., 1845) Ben., 1870, 45.—MacCallum, 1904a, 547.
- laticolle* (Rud., 1819) Par., 1899, 5 (in *Trachurus trachurus*; Rimini, Naples); 1902, 4 (in *Corvina nigra*; *Seriola dumerili*; Elba).—To Tergestia in 1899.
- leptosomum* (Crep., 1829) Cobbold, 1860a, 35 (in *Tringa variabilis*, *Chalidris arenaria*).—Looss, 1899b, 580.—Nicoll, 1906, 517.—Stoss., 1892, 169; 1899, 12.
- lidia* Par., 1902, 6, for *lydiæ* (in *Orthogoriscus mola*; Tonnara d'Enfola).
- liliputanum* Looss, 1896b, 141-143, pl. 9, figs. 91-92 (in *Pernis apivorus* at Alexandria, Egypt; *Milvus parasiticus* at Matarijeh); 1899b, 575, 580, 696; 1901b, 200, 201, 202, 209; 1902m, 816, 817 (form from cat represents a new genus), 818.—Stoss., 1899, 12.
- lydiæ* Stoss., 1896, 190-191, pl. 8, fig. 1 (in *Orthogoriscus mola*; Triest); 1898, 55.—Barbagallo & Drago, 1903, 411 (in O. m.; Catania).—Looss, 1901e, 605, type of *Dihemistephanus*.—Par., 1902, 6 (*lidiæ*) (in O. m.; Tonnara d'Enfola).
- magnioratum* Stoss., 1898, 53-54 (in *Puffinus kuhlii*; Triest); 1899, 13.—Looss, 1899b, 581; 1901b, 209; 1901e, 596.
- militare* (Rud., 1803) Cobbold, 1860a, 34; 1879b, 436, 437.—Kowal., 1902d, 28.—Looss, 1899b, 581.—Stoss., 1892, 163-164 (in *Numenius arquatus*, *Scolopax gallinula*, *S. gallinago*, *Ortygometra porzana*); 1899, 13.—Also reported for *Limnocyrtus gallinula*.
- mordax* Looss, 1899b, 688, 690, fig. 9 (in *Pelecanus onocrotalus*; Egypt).—Kowal., 1904, 19 (in *Podiceps auritus*; Dublin).
- nephrocephalum* (Dies., 1850) Cobbold, 1860a, 36 (in *Turdus saxatilis*).—Looss, 1899b, 581.—Stoss., 1892, 174; 1899, 14 (in *T. sax.*).
- nigroflavum* (Rud., 1819) Barbagallo & Drago, 1903, 410 (in *Orthogoriscus mola*; Catania).
- orycephalum* (Rud., 1819) Rail., 1896, 160.
- pendulum* Looss, 1899b, 580, 688-692, 693, 697, figs. 13, 15b, c (in *Recurvirostra avocetta*; Adeleninsel, Egypt, Feb.).—Fuhrmann, 1904, 62.
- perlatum* (Rud., [=Nord., 1832]) Barbagallo & Drago, 1903, 410-411 (in *Tinca vulgaris*; Catania).
- phænicopteri* Luehe, 1898g, 625 (in *Flamingo*; Berberei); 1899e, 235.—Looss, 1899b, 580, 693 (in *Phænicopterus ruber*).—Stoss., 1899, 12 (Barbary).
- pristis* (Deslongchamps, 1824) Cobbold, 1860a, 36 (in *Merlangus communis*).—Looss, 1899, to *Stephanost.*—Stoss., 1898, 54-55 (in *Gadus euxinus*; Triest).
- pseudoechinatum* (Olss., 1876) Stoss., 1892, 166 (in *Larus marinus*; Scandinavia); 1899, 13.—Kowal., 1902d, 27.—Looss, 1899b, 581, 685-686, 690, 691, 692, figs. 11, 12, 15.—Mueh., 1898, 21-22.—Also reported for *Larus fuscus*.

## ECHINOSTOMA—Continued.

- pungens* (Linst., 1893) Stoss., 1899, 14 (in *Podiceps minor*).—Looss, 1899b, 581.—MacCallum, 1904a, 547.
- ramosus* Sons., 1895, 123–124 (in *Babulcus ibis*; Nile Delta).—Looss, 1899, 581; 1901, 201.—MacCallum, 1904a, 547.—Odhm., 1902, 38.
- recurvatum* (Linst., 1873) Stoss., 1892, 162–163 (in *Fulix marila*; Ratzeburg); 1899, 12.—Looss, 1899b, 580, 693.—Kowal., 1894, 220; 1902d, 27; 1904, 24 (in *Anas boschas dom.*, *Gallus dom.*; Dublany).—MacCallum, 1904a, 547.—Rail., 1898, 412.—Also in *Fuligula marila*.
- revolutum* (Frølich, 1802) Looss, 1899, 680.
- scabrum* (Mueller, 1788) Cobbold, 1860a, 37 (in *Lota molva*, *Gadus morrhua*).
- secundum* Nicoll, 1906, 514, 515–518, pl. 12, figs. 1–3 (in *Hæmatopus ostralegus*, *Larus argentatus*, *L. ridibundus*).
- serratum* (Dies., 1850) Cobbold, 1860a, 35 (in *Anas scolopaceus*; Brazil).—Looss, 1899b, 581.—Stoss., 1892, 171; 1899, 14.
- spathulatum* (Rud., 1819) Kowal., 1898g, 69–71, 76, figs. 1–14, 37 (in *Botaurus minutus* by Bremser); 1898h, 106–121, 158, figs. 1–14, 37 (in *Botaurus minutus*; Dublany) (*spatulatum*).—Looss, 1899b, 575, 581.—Stoss., 1899, 13.
- spatulatum* (Rud., 1819) Kowal., 1898h, 106–121, 158. See also *spathulatum*.
- spiculator* (Duj., 1845) Cobbold, 1860a, 33.—Looss, 1899b, 581.—Stoss., 1892, 28 (in *Mus decumanus*; Hameln, Rennes); 1899, 13.
- spinulosum* (Rud., 1809) Cobbold, 1858b, 165, pl. 33, figs. 68–72 (in *Larus glaucus*); 1860a, 36 (in *Colymbus septentrionalis*, *Podiceps cristatus*, *Anas querquedula*, *Uria grylle*, *Carbo graculus*, *Larus argentatus*, *L. capistranus*, *L. glaucus*, *L. ridibundus*, *Anas clangula*, *Numenius arcuatus*); 1879b, 448.—Cohn, 1903, 41 (in *Alca torda*).—Condorelli, 1897, in 118–124 (in *Hydrocolæus minutus*).—Gilbert, 1905, v. 39, 925–927, 1 fig.—Looss, 1896b, 141; 1899b, 580, 687, 689, 690, 691.—Mueh., 1898, 22.—Nicoll, 1906, 154; 1906, 516, 517.—Par., 1899, 5; 1902, 4 (in *Fulica atra*; Elba).—Stoss., 1892, 169–170 (in *Querquedula circia*, *Phalacrocorax graculus*, *Larus argentatus*, *L. capistranus*, *Uria grylle*, *Totanus fuscus*, *Numenius arquatus*); 1896, 127 (in *Numenius tenuirostris*, *Monfalcone*); 1898, 52–53 (in *Larus ridibundus*, *Numenius tenuirostris*, *Podiceps cristatus*; Trieste); 1899, 12.—Wolffhuegel, 1900, 9, 56 (in *Machetes pugnax*), 62.—Also reported for *Bucephala clangula*, *Chrocephalus minutus*, *Fulica atra*, *Larus fuscus*.
- tabulatum* Mueller, 1897, 21–22, pl. 3, fig. 5 (in *Numenius arquatus*).—MacCallum, 1904a, 547.
- trigonocephalum* (Rud., 1802) Cobbold, 1860a, 33.—Kowal., 1902d, 27; 1904, 25 (in *Putorius fetidus*; Dublany).—Looss, 1899b, 581; 1902m, 823.—Mueh., 1898, 22.—Stoss., 1892, 29–30 (syns. *Fasc. putorii*, *F. trig.*, *Dist. trig.*) (in *Erinaceus europæus* at Padova, Vienna; *Meles taxus* at Warnemünde; *Mustela foina*; *Lutra vulgaris*; *Putorius lutreola*; *P. communis* at Padova, Vienna; *Putorius vulgaris* at Venezia, Greifswald; *Vulpes vulgaris*); 1899, 13.
- umbonatum* Odhn., 1902, 21–22 (in *Krokodil*; Nile).
- uncinatum* (Zed., 1803) Cobbold, 1860a, 35 (in *Gallinula chloropus*).—MacCallum, 1904a, 547.—Stoss., 1892, 172 (= *E. cinctum*) (in *Vancellus cristatus*, *V. melanogaster*, *Gallinula chlor.*; Rostock).
- (ECHINOSTOMA) Rud., 1809a, 37–38, 415–429 (tld. *echinatum*); a. subg. of *Dist.* See also *Echinost.*
- acanthoides* Rud., 1819a, 114, 415–416 (in *Phoca vitulina*; Berlin). See *Echinostoma*.
- annulatum* (Dies., 1850) Stoss., 1886, 63. See *Echinost.*
- apiculatum* (Rud., 1803) Rud., 1809a, 423. See *Echinost.*
- areolatum* (Rud., 1809) Stoss., 1886, 60.
- bicoronatum* (Stoss., 1883) Stoss., 1886, 58.
- bilobum* Rud., 1819a, 114, 416 (in *Tantalus falcinellus*). See *Echinost.*
- campanula* (Duj., 1845) Stoss., 1886, 62.
- cestrillus* (Mol., 1858) Stoss., 1886, 57. See *Echinost.*
- cinctum* (Rud., 1803) Rud., 1809a, 422–423. See *Echinost.*
- contortum* Rud., 1819a, 118 (in *Orthogoriscus mola*; Naples).

## (ECHINOSTOMA)—Continued.

- coronarum* (Cobbold, 1861) — ? —, 1896.  
*coronatum* Rud., 1819a, 686 (in *Didelphis virginiana*). See Echinost.  
*coronatum* (Wagener, 1852) Stoss., 1886, 58. See Echinost.  
*corvinæ* (Stoss., 1886) Stoss., 1886, 58.  
*cristatum* Rud., 1819a, 117 (in *Stromteus fiatola*; Arimini). See Echinost.  
*denticulatum* (Rud., 1802) Rud., 1809a, 424–425. See Echinost.  
*echinatum* (Zed., 1803) Rud., 1809a, 418–420. See Echinost.  
*echinocephalum* Rud., 1819a, 115 (includes *D. milvi*.) (in *Falco milvus*). See Echinost.  
*ellipticum* Stoss., 1886, 64, for *ellipticum* (Mol., 1858).  
*erasperatum* Rud., 1819a, 117 (in *Sorex eremita*).  
*fallax* Rud., 1819a, 117 (in *Uranoscopus scaber*; Naples). See Echinost.  
*ferox* (Rud., 1795) Rud., 1809a, 426–427. See Echinost.  
*hemicyclum* (Mol., 1859) Stoss., 1886, 60.  
*hispidum* (Abildg., 1819) Rud., 1819a, 118, in *Accipenser sturio*; Arimini, Berlin; includes *D. sturionis*. See Echinost.  
*hystrix* Duj., 1845a, 433 (in *Pleuronectes maximus*, *P. platessa*).  
*imbutiforme* (Mol., 1859) Stoss., 1886, 59. See Echinost.  
*incrassatum* (Dies., 1850) Stoss., 1892, 30. See Echinost.  
*incrascens* (Olss., 1868) Stoss., 1886, 58.  
*inflatum* (Mol., 1859) Stoss., 1886, 63. See Echinost.  
*labracis* (Duj., 1845) Ben., 1870, 1871a, 24 (in *Labrax lupus*; Belgium). See Echinost.  
*laticolle* Rud., 1819a, 117 (in *Caranx trachurus*; Naples and Arimini). See Echinost.  
*leptosomum* (Crep., 1829) Duj., 1845a, 428. See Echinost.  
*lima* Rud., 1809a, 427–429.  
*militare* (Rud., 1803) Rud., 1809a, 421–422. See Echinost.  
*nulli* (Stoss., 1883) Stoss., 1886, 59.  
*nigroflavum* Rud., 1819a, 118 (in *Orthogoriscus mola*; Naples).  
*oculatum* (Levin., 1881) Stoss., 1886, 58.  
*perlutum* (Nord., 1832) Stoss., 1886, 62. [Type of *Asymphylogdora*.]  
*planicolle* Rud., 1819a, 686 (in *Pelecanus sula*; Brazil).  
*polonii* (Mol., 1859) Stoss., 1886, 58.  
*priatis* (Deslongchamps, 1824) Duj., 1845a, 433. See Echinost.  
*rachion* (Cobbold, 1858) Stoss., 1886, 61.  
*radiatum* Duj., 1845a, 385, 427–428 (in *Carbo cormoranus* or *Pelecanus carbo*).  
*radula* Duj., 1845a, 433–434 (in *Lymnaeus palustris*; Rennes).  
*scabrum* (Mueller, 1784) Rud., 1819a, 118. See Echinost.  
*semiarmatum* (Mol., 1858) Stoss., 1886, 64.  
*sobrinum* (Levin., 1881) Stoss., 1886, 58.  
*sophix* (Stoss., 1886) Stoss., 1886, 59.  
*spathulatum* (Rud. [Crep., 1837]) Par., 1902, 4 (in *Ardetta minuta*; Portoferraio).  
*spiculator* Duj., 1845a, 424–425 (in *Mus decumanus*; Rennes). See Echinost.  
*spinulosum* Rud., 1809a, 425 (in *Larus naevius*, *L. cinerarius* and *Colymbus septentrionalis*). See Echinost.  
*trigonocephalum* (Rud., 1802) Rud., 1809a, 415–418. See Echinost.  
*uncinatum* (Zed., 1803) Rud., 1809a, 420–421. See Echinost.  
*valdeinflatum* (Stoss., 1883) Stoss., 1886, 58.  
*viriparum* (Olss., 1868) Stoss., 1886, 60.

## ECHINOSTOMIDÆ Looss, 1902m, 817.

ECHINOSTOMINÆ Looss, 1899b, 543, 579; 1902, 839.—Braun, 1901.—Nicoll, 1907, 80.—Pratt, 1902a, 888 (includes: Echinost., *Stephanochasmus*, *Dihemi-stephanus*, *Stephanoprora*; related genus *Rhopalias*), 895 (key).

**ECHINOSTOMUM.** See *Echinostoma*.

**EMISTOMUM** Sons., 1889, 192, apparently for *Hemistomum*.

*alatum* (Göze, 1782) Sons., 1889, 192.

**EMOLEPTALEA** Looss, 1900d, 602, *Leptalea* Looss, 1899 [nec Klug, 1839] renamed, hence type *exilis*.—Pratt, 1902a, 889, 901 (key).

**ENCHELYS** Mueller, 1786.—Nitzsch, 1827, 68 (contains *Cerc. podura*, *C. viridis*).—[Not *Enchelys* for *Echelus* Raf., 1810, fish.]

**ENCOTYLLABIDÆ** Mont., 1888, 108 (for *Encotyllabidæ*).

**ENCOTYLLABE** Gamb., 1896a, 73 (for *Encotyllabe*).

**ENCOTYLLABE** Dies., 1850a, 290, 427–428 (m. *nordmanni*); 1858e, 313, 364.—Ben. & Hesse, 1864, 66, 79–81.—Braun, 1890a, 412, 415, 469, 477, 498, 511, 515, 516, 519, 523, 525, 526, 529; 1893a, 889.—Carus, 1863, 477.—Gamb., 1896a, 73 (*Encotyllabe*).—Goldb., 1855a, 20.—Massa, 1906, 43, 48.—Mont., 1888a, 7, 10, 13, 16, 66 (*Encotyllabe*), 86, 87, 97; 1891, 122; 1892, Oct. 7, 213 (gen. of *Encotyllabinae*); 1899, 98, 99; 1903, 335 (subf. *Encotyllabinae*; fam. *Tristomidae*).—Pratt, 1900, 646, 649 (key), 655, fig. 11.—Tasch., 1878, 566 (syn. of *Trist. Cuv.*).

1888: *Encotyllabe* Mont., 1888a, 66 (for *Encotyllabe*).

1896: *Encotyllabe* Gamb., 1896a, 73 (for *Encotyllabe*).

*nordmanni* Dies., 1850a, 428 (syn. *Trist. excavatum* Nord. MS.) (in *Brama mediterranea*); v. 14, 70, pl. 1, figs. 1–14; 1858e, 364 (in *Br. rayi*).—Braun, 1890a, 418, 530, 547, 550 (*nordmanni*).—Kroyer, 1838–40a, 595 (in *Br. rayi* Bl.).—Mont., 1891, 122.—Pratt, 1900, 655, 657, fig. 11.—Tasch., 1878, 564, 565, 568 (to *Trist.*).

*nordmanni* Braun, 1890a, 550 (for *nordmanni*).

*pagelli* Ben. & Hesse, 1864, 80–81, pl. 7, figs. 1–11 (in *Pagellus centrodonotus*).—Braun, 1890a, 411, 418, 419, 530, 547, 551.—Cunningham, 1887a, 278.—Gamb., 1896a, 58, fig. 25A.—Mont., 1888a, 7, 15, 66; 1891, 122.—Tasch., 1878, 569 (to *Trist.*).

*species* Par. & Perugia, 1890, 6 (in *Crenilabrus pavo*).—Braun, 1890a, 530, 547, 550.

**ENCOTYLLABIDÆ** Mont., 1888, 87, 88, 97, 108 (*Encotyllabidæ*); 1891, 108, 122.—Braun, 1890a, 517.

**ENCOTYLLABINÆ** Mont., 1892, Oct. 7, 213 (subf. of *Tristomidae*); 1903, 335 (fam. *Tristomidae*).—Braun, 1893a, 889.—Pratt, 1900, 646 (*Encotyllabe*), 649 (key).

**ENCOTYLLABE** Mont., 1888, 166, misprint for *Encotyllabe*.

**ENODIA** Looss, 1899b, 592–593, 633, 710 (m. *megachondrus*); *ἐνόδιος*, am Wege; [not *Enodia* Huebn., 1816, lepidopteron; not *Enodia* Dahlb., 1843, hymenopteron; not *Enodius*, Lap., 1836, coleopteron]; 1900, 602 (renamed *Enodiotrema* Looss, 1900); 1902, 515.—Braun, 1901a, 23; 1901b, 23.—Stiles, 1901r, 189.

*megachondrus* Looss, 1899b, 593, 709–710, fig. 30, in *Testudo* (græca?). 1902, 508 (to *Enodiotrema*).—Braun, 1901a, 23, 24.—Luehe, 1900, 561.

**ENODIOTREMA** Looss, 1900, Dec. 3, 602, *Enodia* Looss, 1899 [nec Huebn., 1816], renamed, hence type *megachondrus*; 1901l, 562, 563; 1902m, 508, 512, 514, 515, 516, 584, 788, 824, 838.—Braun, 1901a, 23; 1901b, 26.—Cohn, 1902, 882.—Heymann, 1905, 93.—Odhm., 1902, 38, 40, 41, 42, 153.—Pratt, 1902a, 888 (related to *Plagiorchiinae*), 900 (key).

*acurium* Looss, 1902m, 415, 417, 517–519, pl. 24, figs. 50–54 (in *Thalassochelys corticata*; Egyptian coast), 873, pl. 24, figs. 50–54.

*instar* Looss, 1901l, 562, 563 (in *Thalassochelys corticata*); 1902m, 516–517, 873, pl. 24, figs. 45–46.—Braun, 1902b, 24, fig. 9.

*megachondrum* (Looss, 1899) Braun, 1901b, 23, 24, fig. 9 (for *megachondrus*) includes “*Monost. cacouane* Kollar,” in *Thalassochelys caouana* = *T. caretta*.

*megachondrus* (Looss, 1899) Looss, 1901l, 561–562, 563 (in *Chelone mydas*, *Thalassochelys corticata*; Egypt); 1902m, 414, 415, 417, 508–516, pl. 24, figs. 41–44, 517, 788, 872, pl. 24, figs. 41–44.—Odhm., 1902, 153.

*reductum* Looss, 1901l, 562–563 (in *Thalassochelys corticata*); 1902m, 517, 518, 519, 873, pl. 24, figs. 47–49.

**ENTOBDELLA** Audouin, 1828a, 455, “Il paraît que Blainv. a désigné ce genre sous le nom d’*Entobdelle*.”—Braun, 1890a, 518.—Johnston, 1865, 30, 32.

*hippoglossi* (Mueller, 1776) Johnston, 1856, 32 (syns. *Hirudo* hip. Mueller, *Phylline* hip. Lam., *Trist. hamatum*), on *Hippoglossus* vulg.

- EPIBATHRA** Looss, 1902m, 576, 577, 581, 582, 584, 589, 594, 597, 600, 601, 602, 603, 609, 612, 614-615, diagnosis (m. *crassa*).  
*crassa* (Looss, 1901) Looss, 1902m, 414, 416, 557, 575-578, 615, 876, pl. 26, figs. 83-88, 888, pl. 32, figs. 179-180.
- EPIBDELLA** Blainv., 1828a, 567 (m. *hippoglossi*).—Ben., 1858a, 1861a, 11, 18-21, 61, 167, 168, 169, 170, 176, 190, 194.—Ben. & Hesse, 1864, 64, 66, 68-70.—Brand., 1894a, 308.—Braun, 1890a, 412, 414, 415, 423, 429, 451, 453, 465, 466, 469, 473, 484, 490, 495, 511, 515, 516, 517, 518, 519, 522, 523, 526, 527; 1890e, 597; 1891d, 422; 1893a, 889.—Carus, 1863, 477.—Dics., 1850a, 426 (syn. *Phylline* Oken).—Fraip., 1880c, 416, 445; 1881b, 28.—Gamb., 1896a, 73.—Goto, 1893a, 798.—Haswell, 1892a, 458.—Jackson, 1888, 646 (excretory system), 647 (rep. syst.), 648.—Johnston, 1865a, 32.—Kroyer, 1843-45a, 404 (in *Hippoglossus maximus* Mind.).—Lint., 1901a, in 267-304, 11 pls.—Maclaren, 1904, 593.—Masse, 1906, 43, 48, 49.—Mont., 1888a, 10, 11, 13, 16, 19, 28, 35, 36, 42, 52 (Epibdella). 55, 57, 66, 84, 86, 87, 97; 1891, 100, 104, 105, 106, 107, 111, 114, 115, 116, 117, 118, 120, 124, 125 (Epidella), 130; 1892, Oct. 7, 172, 186, 187, 213 (gen. of Tristominae) (syn. *Phyllonella*); 1893, 8, 210; 1899, 92, 96, 98, 100, 101; 1902b, 137-145, figs. 1-4; 1902c, July 1, 401; 1903, 335 [= *Phyllonella*] (subf. *Ancyrocotyline*) (f. *Tristomidae*); 1905, 75.—Pratt, 1900a, 646, 648 (key) (on skin of marine fishes), 658.—Scott, 1901, 142; 1905, 117 (Epidella).—St.-Remy, 1898, 532.—Tasch., 1878, 566 (syn. of *Trist.* Cuv.).  
 1891: *Epidella* Mont., 1891, 125 (for *Epibdella*).—Scott, 1905, 117.  
 1888: *Epibdella* Mont., 1888, 52 (for *Epibdella*).
- bumpusii* Lint., 1900a, 267, 269, 275, 286-287, pl. 34, figs. 11-15 (in *Dasyatis centrura*; Woods Hole, Mass.); 1901, 414, 433, 461.—Heath, 1902, 112.—Mont., 1902, 137, 138, 140, 141, 142, 143, 145.—Pratt, 1900a, 655, fig. 5, 657, 658 (key).
- diadema* Mont., 1902, v. 15, 137-145, figs. 1-4 (in *Trygon violacea*), 143 to (Phylline); 1902, July 1, 401; 1905, 75.
- hendorfii* (Linst., 1889) Goto, 1894, 233 (in *Coryphæna hippurus*).—Braun, 1890a, 418, 429, 437, 441, 444, 453, 460, 469, 470, 472, 473, 474, 490, 527, 547, 550.—Heath, 1902, 112 to (Phylline).—Linst., 1904, 678.—Mont., 1891, 101, 105, 107, 108, 115, 119, 120, 125, 126, 130, pl. 5, fig. 8, pl. 6, fig. 22; 1892, Oct. 7, 172 (*hendorfii*); 1893, 49; 1902, 137, 138, 142, 143, 144 (*hendorfii*).
- hendorfi* Mont., 1902, 144 (for *hendorfii*).
- hendorfii* Mont., 1892, Oct. 7, 172 (for *hendorfii*).
- hippoglossi* (Mueller, 1776) Blainv., 1828a, 567.—Ben., 1858a, 1861a, 21-23, 36-37, 167, 195, pl. 2, figs. 1-10, pl. 3, figs. 1-8 (includes *Tertia pediculorum* sp. Baster; *Trist. hamatum* Rathke) (in *Pleuronectes hippoglossus*).—Ben. & Hesse, 1864, 69 (in *Hippoglossus vulgaris*).—Braun, 1889k, 621; 1890a, 411, 419, 423, 438, 441, 444, 445, 453, 458, 475, 483, 488, 519, 527, 547, 551; 1890c, 597.—Dics., 1850a, 427 (to *Phylline*); 1859c, 437 (to *Phylline*).—Gamb., 1896a, 55, fig. 22c.—Heath, 1902, 111.—Linst., 1901, 280.—Masse, 1906, 49.—Mont., 1888a, 13, 19, 53 (*hippoglossus*), 87; 1891, 105, 106, 107, 111, 114, 115, 116, 118, 119, 120, 125, 126, 130, pl. 5, figs. 5, 6, pl. 6, figs. 24, 25; 1892, Oct. 7, 172; 1899, 96; 1902, 137, 138, 140, 141, 142, 143, 144, 145; 1905, 75.—Odhn., 1905, 370-372 (syn. *Trist. hamatum*).—Par., 1896, 1 (in *Hippog. vulg.*; North Sea).—Schoett, 1896, 253-265, 1 pl.—Scott, 1901, 142 (in *Halibut*; Scotland); 1905, 117 (*Epidella*).—Staff., 1904, May 3, 482 (on *Hippog. hippoglossus*; Canada).—St.-Remy, 1898, 532.—Tasch., 1878, 568 (to *Trist.*).—Also reported for *Hippoglossus maximus*.
- hippoglossi* var. *pleuronectes* Mont., 1889, 117 (MS. name in Leuck. Coll., renamed *Trist. uncinatum*).
- hippoglossii* Ben., 1858a, 1861a, 21 (for *hippoglossi*).
- hippoglossus* Mont., 1888, 53, for *hippoglossi*.
- ishikawæ* Goto, 1894a, 234-235, pl. 26, figs. 1-3 (on *Lethrinus*; Hagi, Japan, August).—Mont., 1899, 96; 1902, 137, 142, 143.—St.-Remy, 1898, 532-533 (*ishikawai*).
- ishikawai* St.-Remy, 1898, 532-533, for *ishikawæ*.
- monticelli* Mont., 1902, 143 for *monticellii*.
- monticellii* (Par. & Per., 1895) Par., 1896, 1 (in *Mugil auratus*; Italy) to (Phylline).—Mont., 1902, 137, 142, 143 (*monticelli*).—St.-Remy, 1898, 533-534.
- ovata* Goto, 1894a, 234-237, pl. 26, figs. 4-8 (in *Anthias schegeli*; Misaki, Japan, August).—Mont., 1899, 96; 1902, 137, 142, 143.—St.-Remy, 1898, 533.

## EPIBELLA—Continued.

*producta* Linst., 1903, 354–356, figs. 5–6 (in *Solea vulgaris*).—Odh., 1906, 65–66 (syn. of *E. soleæ*).

*sciænæ* Ben., 1856, 502–508, 1 pl., figs. 1–4 (on *Sciæna aquila*; Italy); 1858a, 1861a, 23–37, 195 (in Sc. aq.).—Ben. & Hesse, 1864, 69–70 (*E. sciænæ*, syn. of *Benedenia elegans*).—Braun, 1890a, 411, 419, 518, 527, 547, 552.—Fraip., 1880c, 442 (*sciænæ*).—Goto, 1894a, 233; 1899, 269–270, pl. 20, figs. 8–9.—Massa, 1906, 49.—Mont., 1888, 13, 87; 1891, 105, 107, 120, 125, 126, pl. 6, fig. 23; 1893, 4; 1902, 137, 141, 142, 143, 144, 145; 1905, 75.—Par., 1896, 1 (in Sc. aq.; Italy).—Sons., 1891, 263.—Tasch., 1878, 564, 565 (to *Trist.*).

*sciænæ* Fraip., 1880c, 442 (for *sciænæ*).

*sciænæ* Ben. & Hesse, 1864a, 69–70 (for *sciænæ*, syn. *Benedenia elegans*).

*soleæ* (Ben. & Hesse, 1863) Mont., 1890, 419; 1891, 105, 106, 107, 109, 111, 115, 116, 118, 119, 120, 124, 125, 126, 130, pl. 5, fig. 7, pl. 6, figs. 26–30; 1892, Oct. 7, 172; 1902, 137, 138, 139, 140, 142, 143, 144, 145.—Linst., 1903, 356.—Odh., 1906, 65–66 (syn. *E. producta*).—Par., 1896, 1 (in *Solea vulgaris*; France), to (*Phyllonella*).

*squamula* Heath, 1902a, 109–136, pls., 15, 16, figs. 1–19 (in *Paralichthys californicus*); 1902b, 843.—Massa, 1906, 49.—Mont., 1905, 75–76, to (*Phylline*).—Odh., 1905, 371.

EPIBELLA Mont., 1891, 125, for *Epibdella* q. v.

*hippoglossi* (Mueller, 1776) Scott. 1905, 117.

EPIBELLA Mont., 1888, 52, for *Epibdella* q. v.

ERPOCOTYLE Ben. & Hesse, 1863, 87; 1864a, 87 (n. *lævis*).—Braun, 1890a, 413, 415, 416, 511, 516, 517, 523, 538, 539, 546; 1893a, 890.—Gamb., 1896a, 73.—Hoyle, 1890, 539 (one species from gills of *Mustelus lævis*).—Mont., 1888a, 8, 11, 13, 86, 89, 100; 1892, Oct. 7, 213 (gen. of *Polystominae*); 1903, 336 (subf. *Diaphorocotylinae*).—Pratt, 1900a, 646, 651 (key, "on gills of *Mustelus*"), 656, fig. 24.—Tasch., 1879, 253–254, 255; 1879, 69.

*circularis* Linst., 1904, 493–494, figs. 18–20 or 1904, 17–18, figs. 1–3 (in *Acipenser ruthenus*).

*lævis* Ben. & Hesse, 1863, 1864a, 87–89, pl. 7 bis, figs. 1–9 (in *Mustelus lævis*).—Braun, 1890a, 414, 418, 539, 548, 551.—Linst., 1903, 280.—Mont., 1888a, 8, 13.—Pratt, 1900a, 656, fig. 24, 657.—Tasch., 1879, 254 (in *Must. læv.*).

ERTOPDELLA Rathke, 1843, 238 (for *Entobdella*?).

ETEROCOTYLEA Mont., 1899, 81, 88, 107 (for *Heterocotylea*).

EUBUCEPHALUS Dies., 1855a, 395 (n. *Bucephalus polymorphus*), subg. of *Bucephalus*.

(EUCERCARIA) Dies., 1855a, 385–388 subg. of *Cercaria*; 1858d, 246 (renamed *Acanthocephala*).

*brachyura* (Dies., 1850) Dies., 1855a, 386; 1858d, 257.

*brunnea* (Dies., 1850) Dies., 1855a, 387; 1858d, 247.—See *Dist. echinatum*, type of *Echinost.*

*chlorotica* (Dies., 1850) Dies., 1855a, 386; 1858d, 253.

*fallax* (Dies., 1850 pars) Dies., 1855a, 387–388; 1858d, 248.

*minuta* (Nitzsch, 1817) Dies., 1855a, 385.

*neglecta* (Fil., 1854) Dies., 1855a, 386–387; 1858d, 246.

*resiculosa* (Dies., 1850) Dies., 1855a, 385; 1858d, 254.

*virgula* (Fil., 1837) Dies., 1855a, 386; 1858d, 260.

EUCOTYLE Cohn, 1904, 238 (n. *nephritica*).

*nephritica* (Mehlis, 1846) Cohn, 1904, 237–238, fig. 4.

EUMEGACETES Looss, 1900, Dec. 3, 602, *Megacetes* Looss, 1899 [nec Thomas, 1859], renamed, hence type "triangularis" of Looss = *emendatus* Braun.—Braun, 1901f, 568; 1902b, 53, 92, 93, 94, 95, 96.—Pratt, 1902a, 889 (related to *Dicrocoeliinae*), 904 (key).

*contribulans* Braun, 1901f, Apr. 25, 568 (in *Hirundo rustica*); 1901g, 895, 943; 1902b, 54, 93, 95, 96, fig. 54.—Poche, 1907, 126 (syn. of *crassus*).

*crassus* (Sieb., 1836) Poche, 1907, 126.



## EUMEGACETES—Continued.

*emendatus* Braun, 1901f, 568, new name for *Dist. meropis* of Par. = *Megacetes triangularis* of Looss, not *D. triangulare* Dies.; also in *Caprimulgus europæus*; 1901g, 895; 1902b, 54, 93, 94, 97.—Looss, 1902m, 819, 823.

*mediorimus* Braun, 1901g, 895–896 (in *Galbula grandis* Lath; Brazil); 1902b, 96, figs. 55, 56.

[*triangularis* of Looss, see *emendatus*.]

EUPOLYCOTYLEA Dies., 1850a, 289, 416 (subtribe of Polycotylea).—Braun, 1890a, 515.—Cerf., 1899a, 351.—Goldb., 1855, 18.

EURYCÆLIUM Hoyle, 1890, 539, for *Eurycœlum*.

EURYCÆLUM Brock, 1886a, 543–547 (m. *sluiteri*); 1887a, 186–187 [not *Eurycœlum* Chaudoir, 1848].—Brand., 1891b, 266.—Braun, 1892a, 741, 742, 743, 744; 1893a, 886, 887, 894.—Hoyle, 1890, 539.—Looss, 1902, 839.—Luehe, 1901, 395, 481, 482, 484–488.—Mont., 1888a, 43, 92.—Pratt, 1902a, 889, 904 (key).—Spengel, 1892.—Stiles, 1901, 177.—Stiles & Hass., 1898a, 88, 90, 91 (type, *sluiteri*; syn. of *Hemiurus*).

1890: *Eurycœlum* Hoyle, 1890, 539, for *Eurycœlum*.

*sluiteri* Brock, 1886a, 543–547 (in *Diacope metallicus*; Java); 1887a, 186–187.—Brand., 1891b, 265.—Braun, 1892f, 45–48; 1892h, 727–729, 741, 742.—Linst., 1887, —.—Looss, 1894, 234; 1899 (to *Hemiurus*).—Luehe, 1901, 484, 485.—Mont., 1893, 149.—Stiles, 1901, 177.—Stiles & Hass., 1898a, 90.—Zool. Anz., 1892, v. 15, 225.

(EURYSOMA) Duj., 1845a, 388, 406 (m. *squamula*), subg. of *Dist.* [not *Eurysoma* Koch, 1840, arachnoid; not *Gistl.*, 1829; not *Eurysomus* Young, 1866].—Baird, 1853a, 52.—Braun, 1893a, 885, 909.—R. Bl., 1891, 609.—Looss, 1899b, 535; 1902m, 750, 751.—Mont., 1888a, 92.—Stiles, 1901, 165.—Stiles & Hass., 1898a, 88, 98.

*squamula* (Rud., 1819) Duj., 1845a, 406 (type of *Eurysoma*) (to *D. (Dicrocœlum)* by Stoss., 1892, 20).

EUSTEMMA Dies., 1850a, 287, 317 (m. *caryophyllum*), 1855, 172; 1858c, 312, 322–323.—Brand., 1888a, 12, 13.—Braun, 1893a, 887, 894.—Goldb., 1855, 17.—Hoyle, 1890, 539.—Mont., 1888a, 84, 91.

*caryophyllum* Dies., 1850a, 317 (in *Falco pileatus*; Rio Parana, Brazil); 1855, 172, pl. 1, figs. 1–5; 1858c, 323.—Brand., 1888a, 5, 65 (syn. of *Holost. eustemma*); 1890a, 593 (syn. of *Holost. eustem.*).—Braun, 1893a, 903.

EURYTREMA Looss, 1907, Feb. 1, 127–134 (tod. *pancreaticum* Janson; Japan).

*celomaticum* (Giard & Billet, 1892) Looss, 1907, Feb. 1, 132–134, fig. 2 (syn. *Dicrocœlum pancreaticum* Rail. & Marotel, 1898).

*pancreaticum* (Janson, 1889) Looss, 1907, Feb. 1, 128–132, 133, fig. 1.—[Janson, 1889a, is not accessible to us; our earliest reference is Railliet, 1890.]

EXACOTYLE Mont., 1888a, 8 (apparently for *Hexacotyle*); 1891, 109.

*thynni* De la Roche, 1811a?—Crety, 1892c, 399 (*thynni*).—Mont., 1890, 195; 1891, 129, *thynni* Crety, 1892c, 399 (for *thynni*).

EXACOTYLINÆ Mont., 1905, 77.

FAICIOLA Mueller, 1774, 70, for *Fasciola*.

FASCINIA Raffinesque, 1815, 151 (nomen nudum; g. of *Fasciolaria*; to contain species of *Fasciola*, but these are not named).

FASCIOLA Linn., 1758a, 644, 648–649, includes *hepatica* (type by elimination, also by later designation, and also by first-species rule) and *intestinalis*.—Abildg., 1790, 35 (syns: *Fasc. intestinalis* Linn., *Planaria intest.* Mueller, *Ligula* Bloch, *Fasc. Gœze*), 36 (to *Dist.*), 58.—Ariola, 1900, 426 (of Linn., 1735, = *Schistocephalus*).—Bichringer, 1889a, 654.—Blainv., 1824a, 514; 1828, 585–587.—E. Bl., 1847, 278.—R. Bl., 1848a, 589; 1895, 730.—Bosc., [1802a], v. 1, 263–268.—Brand., 1888a, 8.—Braun, 1892a, 674; 1893a, 883, 885, 893, 894, 908; 1895b, 138; 1900a, 1643, 1668; 1903, 3 ed., 147.—Cobbold, 1879b, 15, 1883, 401 (syn. of *Dist.*); 1883x, 514; 1883v, 500.—Crep., 1837a, 309; 1845b, 20–22.—Cuv., 1817a, 40.—Deslongchamps, 1824o, 386.—Dies., 1850a, 307 (of Gmelin, syn. of *Hemist.*), 312 (of Gmelin, syn. of *Holost.*), 318 (of Schrank; syn. of *Diplodiscus*), 319 (of Gœze, syn. of *Monost.*), 331 (of Linn., syn. of *Dist.*), 400 (of Mueller, syn. of *Amphist.*), 411 (of Fœrlich, syn. of *Notocotyle*), 412 (of Gmelin, syn. of *Polyst.*), 573 (of Linn., syn. of *Tetrabothriorhynchus*), 577 (of Gœze, syn. of *Caryophyllæus*), 579 (of authors, syn. of *Ligula*), 583;

## FASCIOLA—Continued.

- 1858e, 332 (syn. of *Dist. giganteum*).—Fabricius, 1794, 26, 27.—Fischer, 1799, 96.—Hahn & Lefèvre, 1884a, 515.—Hémont, 1827, 9.—Herbst, 1787a, 14, 15, 21, 31, 36.—Hoyle, 1890, 539–540 (3 species, type hepatica).—Jackson, 1888, 644, 646, 654.—Joubin, [1892a], 29.—Lamarck, 1801a, 333; 1816, 180–181.—Lamouroux, 1824a, 559, 608; 1824b, 404; 1825a, 356.—Leblond, 1836f, 4.—R. Leuck., 1863, 530.—Looss, 1899b, 551, 557; 1901, 199, 208, 658; 1902, 746, 756.—Lucbe, 1905, 146.—MacCallum, 1899, 707.—Macé, 1882, 25.—Montagu, 1811, 194–198, 199–200 (in poultry, see *Syngamus trachealis*).—Mont., 1893, 44, 153, 182; 1896, 168.—Mueller, 1774, 52, 70 (*Fasciola*).—Nitzsch, 1819, 397.—Nord., 1840, 613–618 (syn. *Dist.*).—Odhn., 1905, 339, 344, 346, 347.—Pallas, 1781c, 59.—Par., 1900, 190–197, 1 fig. (in Buenos Ayres).—Pratt, 1902, 883, 887 (key to).—Rafinesque, 1815, 151 (g. of *Fasciolaria*).—Rail & Marotel, 1898, 32–33.—Røderer, 1762, 537–539.—Røderer & Wagler, 1762, 194–210.—Rud., 1793a, 25; 1801, 50, 54; 1802, 61–62; 1809a, 21.—St. Vincent, 1824, 608.—Schneider, 1866, 7, 9, 11.—Schränk, 1803, 185.—Slawikowski, 1819, 8, 55, 56.—Sons., 1896, 112–116.—Stiles, 1894c (s. str.); 1895l; 1895m; 1896, 159; 1898a, 22, 27, 29; 1901, 163, 165, 174, 180; 1906, 14.—Stiles & Hass., 1898a, 88–89, 90, 95, 97 (type hepatica).—Tasch., 1879, 251 (of Gmelin, syn. of *Polyst.*).—Vogel, 1772, 648.—Ward, 1903, 865.—Wolffhuegel, 1900, 129.
- 1774: *Fasciola* Mueller, O. F., 1774, 70, misprint.
- 1782: *Planaria* Goeze, 1782a, 168, [not Mueller, 1776, worm; not Brown, 1827, mollusk; not Lea, 1833, mollusk], includes *Fasc. hepatica* as *Pl. latiuscula*, hence type *P. latiuscula* Goeze, 1782.
- (1782): *Distoma* Retzius (1782); 1790, 32 [not *Distomus* Gærtner, 1774, mollusk; not Steph., 1827, coleopteron; not *Distoma* Savigny, 1816, mollusk], for *Planaria* Goeze, 1782, hence same type.
- 1815: *Distomopsis* Rafinesque, 1815, 151, *Distoma* Zed., renamed.
- 1825: *Distomum* Crep., 1825, for *Distoma*.
- 1845: *Distoma* (*Cladocelium*, m. hepaticum) Duj., 1845a, 382, 388, 389.
- 1845: *Fasciolaria* Anonymous, 1845, 141, in *Encycl. Metropolitana*, Lond. [not Lamarck, 1799, mollusk], for *Fasciola* Linn.
- 1850: “*Distomum* Retzius,” 1782, in Dies., 1850a, 141.
- 1853: “*Cladocalium* Duj.” of Pontallí, 1853, 103–105 (for *Cladocelium*).
- 1863: “*Distomum* (*Fasciola*)” R. in Leuck., 1863, 530.
- 1876: *Fascolia* Adams, 1876, 764, misprint.
- 1892: *Cladocelium* (Duj., 1845) as genus in Stoss., 1892, 7 of reprint.
- 1894: *Phasciola* Wilder, H. H., 1894, 24 [not *Phascolus* Mont., 1875, mollusk] (for *Fasciola*).
- 1898: “*Cladocelium*” of Stiles & Hass., 1898a, 89, misprint.
- abdominalis* Goeze, 1782a, 41, 169, 186–190, pl. 16, figs. 4–9, includes *F. intestinalis*, 1758, and *Ligula piscium* Bloch.—Baird, 1853a, 95 (syn. of *Lig. simplicissima*).—Dies., 1850a, 580 (syn. of *Lig. diagramma*).—Nord., 1840, 590 (syn. of *Lig. cingulum*; *F. a.* of Zed., syn. of *Lig. contortrix*).—Rud., 1810a, 20 (syn. of *Lig. cingulum*), 18 (syn. of *Lig. contortrix*), 29 (syn. of *L. carpionis*).
- æglefine* Nicoll, 1907, 73 (syn. of *Dist. simplex*) for *æglefini*.
- æglefini* Mueller, 1776, 224 (in *Gadus æglefinus*; intestine); 1777, 33, pl. 30, fig. 4 (in *Ga. agl.*); 1779a, 65 [pl. 3, fig. 4].—Bosc, 1802a, 272 (*æglefini*, misprint).—Bruguière, 1791a, pl. 7a, fig. 15.—Cobbold, 1858b, 157.—Dies., 1850a, 343 (syn. of *Dist. simplex*).—Gmelin, 1790a, 3056.—Herbst, 1787a, 33.—Lamarck, 1816, 182; 1840, 619.—Lamouroux, 1824a, 563.—Levin., 1881a, 67 (syn. of *Dist. sim. Rud.?* Olss.).—Nord., 1840, 619 (syn. of *Dist. sim.*).—Odhn., 1901, 512.—Rud., 1809a, 370.—Schränk, 1788, 19.—Type of *Sinistroporus* 1904.
- ægrefini* Bosc, 1802a, v. 1, 272, misprint for *æglefini*.
- ægyptiaca* (Looss, 1896) Sons., 1896, 112; 1896, 1.—Braun, 1903, 3 ed., 152.—Looss, 1899b, 557; 1902m, 782, 783 (syn. of *F. gigantea*).—Ward, 1903, 866.
- alata* (Goeze, 1782) Rud., 1793a, 31; 1795a, 15; 1802, 84–85; 1809a, 403 (to *Dist.*).—Brand., 1888a, 9–60 (to *Hemist.*).—Dies., 1850a, 308 (to *Hemist.*).
- alosa* Hermann, 1783a, 46, pl. 2, fig. 8a–b (in *Malfisch im Rhein*, (*Clupea alosa*).—Baird, 1853a, 54, syn. of *Dist. appendiculatum*.—Dies., 1850a, 370 (syn. of *Dist. appen.*).—Rud., 1809a, 401, 437 (= *Dist. clupee rhenanæ*).

## FASCIOLA—Continued.

- americana* Hass., 1891c, 539 (carnosa renamed) (in *Bos taurus*, U. S. A.).—Leuck., 1892b, 797.—Stiles, 1898a, 49.—Ward, 1895, 253 (syn. of *F. magna*), 332 (in *Bos taurus*), 335 (in *Ovis aries*), 338 (in *Equus caballus*); 1903, 866 (syn. of *F. magna*).
- anatis* (Schrank, 1788) Gmelin, 1790a, 3055 (based especially upon a parasite (Plan. teres pro parte Gæze, 1782a, 174, pl. 13, figs. 8–11) from *Anas boschas domestica* and made to include *Cuculanus conoideus* Bloch, 1782a, and *Hirudo fasciolaris* Mueller).—Bosc, 1802a, v. 1, 269–270.—Dies., 1850a, 383 (syn. of *Dist. echinatum*).—Rud., 1809a, 418, 431–432 (*anatis* Bruguière, 1791 = *anatis domestica*).—Stoss., 1892, 167 (syn. of *Echinost. echinatum*).
- anguilla* Gmelin, 1790a, 3056 (refers to *Leeuwenhoek* arc. nat., p. 316, fig. 6) (in *Anguilla*).—Bosc, 1802a, v. 1, 272.—Dies., 1850a, 340 (syn. of *Dist. polymorphum*) (in *Anguilla vulgaris* (Leeuwenhoek), May, August; Greifswald).—Lamarck, 1816, 182.—Nord., 1840, 618 (syns. *Dist. polymorphum* and *D. anguilla*).—Rud., 1809a, 363.
- angulata* Mueller, 1774, 58–59 (in fundo arenarum oceani).—Fabricius, 1798, 53 (to Plan.).—Verrill, —, — (to *Amphiporus*).
- angusta* (Rail., 1895) Looss, 1899, 557.—Braun, 1903, 3 ed., 152, fig. 98 (Gouvea's case in French naval officer at Rio; had been in Senegambia) thinks = *ægyptiaca*.—Looss, 1899b, 557; 1902m, 782, 783 (syn. of *gigantea*).—Ward, 1903, 704; 1903, 864, 866.
- anseris* Gmelin, 1790a, 3055 (*F. verrucosa* Frølich, 1789, renamed; in *Anser domesticus*; Europe).—Baird, 1853a, 45.—Ben., 1858a, 1861a, 78 (syn. of *Monost. verrucosum*).—Bosc, 1802a, v. 1, 270.—Dies., 1840, 234; 1850a, 411 (syn. of *Notocotyle triseriale*).—Nord., 1840, 602 (syn. of *Notocotylus triserialis*).—Odh., 1905, 366 (syn. of *Catatropis verrucosa* [type]).—Rud., 1809a, 331.
- apiculata* Rud., 1803, 31–32. *Dist. stridula* Reich, 1801, renamed; 1809a, 423, to (*Echinost.*).—Dies., 1850a, 386.
- appendiculata* Rud., 1802, 78–79, pl. 2, figs. 6a–b (nec Frølich, 1802) (in *Clupea alosa*; Europe); 1809a, 400.—Baird, 1853a, 54.—Dies., 1850a, 370.—Luehe, 1901, 396.—Stiles & Hass., 1898a, 90, 96 (type of *Hemiurus*).
- appendiculata* Frølich, 1802, 56–58, pl. 2, figs. 8–9 (nec Rud., 1802) (in *Anas boschas*; Europe).—Dies., 1850a, 346 (syn. of *Dist. oxycephalum*).—Hahn & Lefèvre, 1884a, 516 (syn. of *Dist. oxyceph.*).—Rud., 1814a, 105, renamed *Dist. papillatum*.
- apri*, see sub *F. hepatica*.
- ardea* Gmelin, 1790a, 3055 (in *Ardea stellaris*, int.; Europe).—Dies., 1850a, 388 (syn. of *Dist. ferox*).—Bosc, 1802a, v. 1, 270.—Rud., 1809a, 432.
- armata* Rud., 1793a, 26, *F. putorii*, 1790, renamed; 1802, 88–90; 1809a, 416.—Dies., 1850a, 382 (syn. of *Dist. trigonocephalum*).
- atomon* Rud., 1802, 70 (in *Pleuronectes flesus*; Greifswald); 1809a, 362.—Dies., 1850a, 340 (to *Dist.*).—Odh., 1901, 506; 1905, 320 (to *Podocotyle* [type]).
- barbata* Linn., 1761, 505 (in Loligo; Sweden).—Abildg., 1790, 38.—Baird, 1853a, 115 (to *Tetrabothriohynchus*).—Braun, 1893a, 883.—Dies., 1850a, 573 (syn. of *Tetrabothriohynchus migratorius*).—Fabricius, 1780, 328–329.—Herbst, 1787a, 32.—Luehe, 1905, 334 (= *Tetrarhynchus*).—Mueller, 1776, 223; 1780, 203.—Pallas, 1781, 109.—Rud., 1809a, 441; 1810a, 385; 1819a, 130 (syn. of *Tetrarhynchus megabothrius*).—Sieb., 1850, 232 (syn. of *Tetrarhynchus macrobothrius*).—Vaullegeard, 1899, 167.
- bergi* Par., 1900, 193–194, 1 fig. (in *Rana platana*; Montevideo).
- [*bilamellata* Pallas, 1774, 20 (“*Fasciola bilamellata* Linnæi”).]
- bilis* (Braun, 1790) Gmelin, 1790a, 3054 in *Falco melanaëtus*.—Bosc, 1802a, v. 1, 269 (*billis*).—Dies., 1850a, 376 (syn. of *Dist. crassiusculum*).—Rud., 1809a, 408.
- billis* Bosc, 1802a, v. 1, 269, for *bilis*.
- binodis* Mueller, 1776, 224 (in fish); 1779a, 69 [pl. 30, fig. 8]; 1788, 34–35.—Bosc, 1802a, 271–272.—Bruguière, 1791, pl. 79, fig. 24.—Dies., 1850a, 379 (to *Dist.*).—Gmelin, 1790a, 3056.—Herbst, 1787a, 33.—Rud., 1809a, 439.—Schrank, 1788, 20.

## FASCIOLA—Continued.

- blennii* Mueller, 1776a, 224 [in *Blennius viviparus*]; 1777, v. 1, 32, 33, pl. 30, fig. 5, v. 2, 53, pl. 78, figs. 9–12 (in *Cottus scorpius* and *Blennius viviparus*); 1779a, 64, 66 [pl. 30, fig. 5]; 1780, 217; 1784, 116, pl. 28, figs. 9–14.—Bosc, 1802a, v. 1, 272.—Bruguière, 1791a, pl. 79, figs. 16–18.—Dies., 1850a, 344 (syn. of *Dist. divergens*).—Gmelin, 1790a, 3057.—Herbst, 1787a, 33.—Lamarck, 1816, 183.—Nord., 1840, 619 (syn. of *Dist. divergens* Rud.).—Rud., 1793a, 30; 1809a, 371.—Schränk, 1788, 19.
- boschadis* Schränk, 1803, 209.
- boum* Gmelin, 1790a, 3054, see sub *hepatica boum*.
- bramæ* Mueller, 1776, 224, v. 1, 33, pl. 30, fig. 6 (in *Cyprinus brama*; intest. Norway, Denmark); 1779a, 66 [pl. 30, fig. 6].—Bosc, 1802a, v. 1, 274.—Bruguière, 1791, pl. 79, fig. 19.—Cobbold, 1858b, 157.—Dies., 1850a, 341 (syn. of *Dist. globiporum*).—Gmelin, 1790a, 3058.—Herbst, 1787a, 33.—Looss, 1894a, 41 (syn. of *Dist. gl.*); 1902m, 757 (and *Dist. gl.*), 758, 760 (perhaps an *Allocreadium*, *Bunodera*, or *Asymphyllodora*), 763, 765.—Nord., 1840, 619 (syn. of *Fasc. globifera*).—Rud., 1809a, 364.—Schränk, 1788, 20.—Sramek, 1901, 107 (syn. *Dist. gl.*).—Stiles, 1901, 168, 169, 192.—Stiles & Hass., 1898a, 94, 95, 97 (= *globipora*, type of *Sphaerost.*).
- brunnea* Mueller, 1774, 54.—Johnston, 1865, 9.
- buchholzii* "Jørdens, 1801," of Braun, 1889a, 320 (lapsus for "*Fasc. hepatica, ovata plana, Buchholzii*" = *Dicrocoelium lanceatum*).—Stiles, 1898a, 55.
- buteonis* Gmelin, 1790a, 3054 (in *Falco buteo*) based on Gørze, 1782a, 85.—Bosc, 1802a, v. 1, 269.—Rud., 1809a, 430 (= *Dist. buteonis* (in *Falco buteo*)).
- candida* Mueller, 1774, 71 (in littore Grœnlandiæ sub *lapidibus*).—Verrill, — (? syn. of *Tetrastemma candidum* (F.) Oersted).
- capitata* Mueller, 1774, 70.
- carnosa* Hass., 1891a, 208–209, 1 fig. (in *Bos taurus*; U. S. A.); 1891b, 464–465; 1891c, 359 (syn. of *F. americana*).—Huber, 1896a, 575, 576.—Leuck., 1902b, 797, 798.—Stiles, 1898a, 49.—Ward, 1895, 253 (syn. of *F. magna*), 332 (in *Bos taurus*), 335 (in *Ovis aries*), 338 (in *Equus caballus*); 1903, 866 (syn. of *F. magna*).
- caudata* Mueller, 1774, 70.—Buttel-Reepen, 1902, 166, 170, pl. 6, fig. 6.—Schränk, 1803, 171 (= *Plan. acuminata*).—Slawikowski, 1819, 38.
- caudata* Bosc 1802a, v. 1, 271, pl. 9, fig. 6 (nec Mueller, 1774) (in *dorade* = ? *Chrysophys aurata*; *Coryphæna hippurus*).—Dies., 1850a, 373 (syn. of *Dist. tornatum*); 1859c, 431 (syn. of *D. tornatum*).—Rud., 1809a, 436 (= *Dist. coryphæna*); 1819a, 685.
- cerri* (Schränk, 1790) Zed., 1790, 65–74, pl. 3, figs. 8–11.—Dies., 1836, 247; 1850a, 401 (syn. of *Amphist. conicum*).—Fischder., 1903h, 504 (type of *Paramphist.*), 506 (in *Cervus elaphus*).—Rud., 1809a, 351.—Schränk, 1803, 214.—Stiles, 1898a, 64.—[Type of *Paramphist.* 1901.]
- ciliata* Mueller, 1774, 55 (free form).
- cineta* Rud., 1803, 31 (in *Tringa vanellus*); 1809a, 422, to *D.* (Echinost.).—Dies., 1850a, 386 (to *Dist.*) (in *Vanellus cristatus*, V. melanogaster).
- [*cinerea* (anatomical term).]
- cirrata* [Rud., 1802 (see *Dist. cirratum*)]; 1809a, 376 to *Dist.*—Dies., 1850a, 350 (to *Dist.*) (Griefswald, June).
- cirrhata* Rud., 1802, v. 3 (1), 66–67, pl. 2, fig. 4 (in *Corvus frugilegus*).—Braun, 1902b, 43 (syn. of *Plagiorchis cirratus*).
- clavata* Menzies, 1791, 187–188, pl. 17, fig. 2 (in *Scomber pelamys*; Pacific) [type of *Hirudinella*, 1828]; 1794, 58–59, pl. 8, fig. 2.—Baird, 1853a, 59.—Blainv., 1824a, 518 ("hirudinelle"); 1828, 586.—Buttel-Reepen, 1900a, 586; 1902, 166, 168, 178, pl. 6, fig. 3.—Cobbold, 1879b, 459.—Darr, 1902, 663.—Dies., 1850a, 366 (to *Dist.*); 1859c, 431 (*Dist. clavata* Rud., partim).—Rud., 1809a, 391.—Stiles, 1901, 192.
- clupeæ* Schränk, 1788, 20 (in rheinischen Mayfische).—Baird, 1853a, 54.—Dies., 1850a, 370 (syn. of *Dist. appendiculatum*).—Rud., 1809a, 437.
- collurionis* Schränk, 1790, 123 (in *Lanius collurio*); 1803, 211.—Dies., 1850a, 396 (to *Dist.*) (in *Lanius collurio*).—Rud., 1809a, 430 (to *Dist.*).

## FASCIOLA—Continued.

- colubri* Bosc, 1802, v. 1, 271, pl. 9, figs. 1–3 (in couleuvre d'Amérique).—Cobbold, 1859d, 364 (syn. of *Dist. bosci*).—Dies., 1850a, 398 (syn. of *Dist. colubri americani*) (in *Coluber* sp. *americana*).—Rud., 1809a, 434 (to *Dist.*).
- colymbi immeris* Viborg, 1795, 241 [*"Fasciola s. Ligula"*].—Dies., 1850a, 579.—Rud., 1810a, 27 (to *Ligula*).
- coryphænx* Bosc, 1802a, v. 1, 271, pl. 9, fig. 5 (in dorade).—Baird, 1853a (= *Hirudinella clavata*), 59.—Buttel-Reepen, 1902, 166, 168, 170, pl. 6, fig. 5.—Dies, 1850a, 373 (syn. of *Dist. tornatum*); 1859c, 431.—Rud., 1809a, 436 to *Dist* 1819a, 685.
- coryphænx hippuridis* Tilesius in litteris Rud., 1809a, 436 (syn. of *D. coryphænx* 437.—Baird, 1853a, 59 (= *Hirudinella ventricosa*).—Buttel-Reepen, 1902, 166, 168.—Cobbold, 1879b, 461.—Dies., 1850a, 373 (syn. of *Dist. tornatum*)
- crassa* Rud., 1793a, 27 (= *Fasc. melis* Gmelin, renamed).
- crenata* Rud., 1802, 76–78, pl. 2, fig. 5, a–b (in *Gasterosteus aculeatus*, *Pleuronectes maximus*); 1809a, 404 (in *Gast. acul.*, *Pleur. max.*).—Baird, 1853a, (= *Dist. appendiculatum*).—Dies., 1850a, 371 (syn. of *Dist. app.*).—Land 1904a, 1 (to *Hemirurus*).—Lucbe, 1901, 399, 400.—Odhn., 1905, 352 (type *Brachyphallus*).
- crenata* Frølich, 1802a, 60–62, pl. 2, figs. 10–11 (nec Rud. (in *Fulica chloropus*)).—Dies., 1850a, 384 (syn. of *Dist. uncinatum*) (in *Gallinula chl.*, *May & July*) Rud., 1814a, 102 (= *Dist. unc.*).
- crenata* Mueller, 1774, 64 (nec Rud., nec Frølich).
- cucumerina* Rud., 1804, 166 (in liver of *Pleuronectes maximus*).
- cynoides* Schrank, 1803, 212.
- cylindracea* (Zed., 1800) Rud., 1802, 83–84; 1809a, 393 (in *Rana esculenta*, temporaria).—Lamarck, 1816, 183.—Looss, 1894a, 64 (to *Dist.*).—Nord., 184 620 (to *Dist.*).—Stiles & Hass., 1898a, 84.
- cyprini carassii* Viborg, 1795, 242.
- delicatum* (Rud., 1809) Blainv., 1828a, 585.
- denticulata* Rud., 1802, 91–92, pl. 2, fig. 8, a–c (in *Sterna hirundo*); 1809a, 424. —Dies., 1850a, 392 (to *Dist.*).
- disticha* Mueller, 1776a, 224; 1788, 35, pl. 30, fig. 9; 1779a, 69, pl. 30, fig. 3 [sic] fig. 9.—Bosc, 1802a, v. 1, 272.—Bruguière, 1791a, pl. 79, fig. 25.—Dies., 1850 378 (to *Dist.*).—Gmelin, 1790a, 3056.—Herbst, 1787a, 33.—Rud., 1809a, 36 440 (to *Dist.*).—Schrank, 1788, 20; 1803, 212–213.
- echinata* Nord., 1840, 621 (syn. of *F. trigonocephala*).
- elaphi* Gmelin, 1790a, 3054 (*Festucaria cervi*, renamed) (in *Cervus elaphus*).—Bosc, 1802a, v. 1, 269.—Dies., 1836, 247; 1850a, 401 (syn. of *Amphist. cornu cum*).—Fischder., 1903h, 504 (syn. of *Paramphist. cervi*), 506.—Nord., 184 627 (syn. of *Amphist. con.*).—Rud., 1809a, 350.—Stiles, 1898a, 64.—War 1895, 256 (syn. of *Amphist. conicum*), 332 (in *Bos taurus*), 335 (in *Ovis aries*)
- elegans* Rud., 1802, 65–66 (in Sperling, Greifswald).—Braun, 1902b, 38 to *Plagio chis*.—Dies., 1850a, 350 (to *Dist.*).—Rud., 1809a, 375.
- epatica* Rosa, 1794, 5, dell' *Ardea purpurea*.—Braun, 1900h, 19 (? syn. of *Clinos heterost.*).—Dies., 1850a, 353 (syn. of *Dist. heterost.*).
- epatica* Brera, 1809a, 92–98, pl. 1, figs. 24–25.—Sons., 1884, 21.—For *hepatica*.
- equi* Gmelin, 1790a, 3054, var. of *Fasc. hepatica*.
- eriosci* Mueller, 1784, 92, pl. 72, figs. 4–7; 1788, 42, pl. 72, figs. 4–7 (in *Salmo eriox*).—Bosc, 1802a, v. 1, 274.—Bruguière, 1791a, pl. 80, figs. 3–4.—Dies 1850a, 363 (syn. of *Dist. hyalinum*).—Gmelin, 1790a, 3057.—Harz, 1881c, (syn. of *D. hyalinum*).—Lamarck, 1816, 183.—Nord., 1840, 619–620 (include *D. hy.*, *D. rosaceum*, *D. perlatum*).—Rud., 1809a, 389.
- excavata* Rud., 1803, 28–29 (in Storch, *Ardea ciconia*; Greifswald); 1809a, 399.—Dies., 1850a, 309–310 (to *Hemist.*).
- excisa* (Rud., 1819) Blainv., 1828a, 586.
- farionis* Mueller, 1784, 91, pl. 72, figs. 1–3 (in *Salmo fario*); 1788, 42, pl. 72, fig 1–3.—Bosc, 1802a, v. 1, 274.—Bruguière, 1791a, pl. 80, figs. 1, 2.—Dies 1850a, 380 (syn. of *Dist. laureatum*).—Frølich, 1802a, 62–63, pl. 2, figs. 4, 5.—Gmelin, 1790a, 3058.—Knoch, 1862, 19.—Nord., 1840, 621 (syn. of *F. la reata*).—Odhn., 1905, 353.—Rud., 1809a, 413; 1814a, 102 (syn. of *Dist. la reatum*).

## FASCIOLA—Continued.

- ferox* Rud., 1795a, 15–17 (in *Ardea ciconia*; Greifswald); 1802, 90–91; 1809a, 426 to D. (Echinost.).—Dies., 1850a, 388 (to Dist.).—Nord., 1840, 622 (syn. of *Fasc. trigonocephala*).
- finbriata* Goeze, 1782a, 180, pl. 15, figs. 4–5.—Abildg., 1790, 32 (cf. Phylline).—Baird, 1853a, 97 (syn. of *Caryophyllæus mutabilis*).—Ben., 1858a, 1861a, 115 (syn. of *Car. mutab.*).—Braun, 1894.—Dies., 1850a, 577 [*Fasciolaria*].—Nord., 1840, 633 (syn. of *Car. piscium*).—Rud., 1810a, 9 (= *Car. mut.*).
- flaccida* Mueller, 1774, 57–58 (free form).
- furcata* (Bremser, 1819) Blainv., 1828, 586.
- fusca* Pallas, 1774, 21–22, pl. 1, fig. 13, a–b (in aq. stag.; Europe).
- fusca* Bosc, 1802a, v. 1, 271, pl. 9, fig. 4 (in dorade) [not Pallas, 1774].—Baird, 1853a, 59 (= *Hirudinella ventricosa*).—Buttel-Reepen, 1902, 166, 168, 170, pl. 6, fig. 4.—Cobbold, 1879, 459, 460, 461.—Darr, 1902, 664.—Dies., 1850a, 366 (syn. of *Dist. clavatum*); 1859c, 431.—Herbst, 1787a, 36.—Poirier, 1885, (to Dist.).—Rud., 1809a, 436.
- gibbosa* Rud., 1802b, 81–82, pl. 2, fig. 7 (in *Esox belone*); 1809a, 399 to Dist.—Odh., 1905, 356 (to *Lecithaster*).
- gigantea* (Dies., 1858) Cobbold, 1858; 1860a, 4 (in *Camelopardalis giraffa*); 1864, 161 (see *F. gigantea*); 1876, 303; 1879b, 25, 322, 421.—R. Bl., 1895, 733–734 (includes *F. hepatica* var. *angusta*); 1900, 488.—Braun, 1893a.—Dies., 1858.—Fitz, 1876b, 514.—Gervais et Ben., 1858.—Hoyle, 1890, 539.—Leuck., 1863; 1879–93.—Looss, 1899b, 557; 1902m, 782, 783 (syns. *gigantica*, *angusta*, *ægyptiaca*).—Sons., 1889, 275; 1890; 1896, 113, 114.—Stiles, 1895, 139–143, pl. 5 (includes *Dist. hepaticum* pars Gervais & Ben.).—1898a, 49.—Stoss., 1892, 9 (to *Cladocœlium*).—Also reported for *Bos taurus*.
- gigantica* Cobbold, 1855a, 262–266, pl. 7, figs. 1–15 (in liver of *Giraffa camelopardalis*); 1855b, 3–7, pl. 7, figs. A. B., 1–15; 1856a, 108–109; 1858b, 167; 1860a, 4.—Braun, 1903, 3 ed., 152 (places Gouvea's (1895) case here); 1906, 157 (in giraffe).—Dies., 1858e, 332 (to Dist.).—Stiles, 1898a, 23, 29, 48, 49, 50, 51, 137, 140, 141, fig. 27.—Ward, 1903, 866 (closely related to *F. angusta*).
- glauca* Mueller, 1774, 60.
- globifera* Lamarck, 1816, 182 for *globipora* 1802.—Baird, 1853a, 53.—Lamouroux, 1824a, 563.—Nord., 1840, 618–619 (includes *Dist. globiferum*, *D. globiporum*, *Fasc. bramæ*).
- globipora* Rud., 1802, 72–74 (in *Cyprinus erythrophthalmus*); 1809a, 365.—Dies., 1850a, 341 (to Dist.).—Looss, 1894a, 41 (to Dist.); 1902m, 763.—Stiles, 1901, 168, 169, 192.—Stiles & Hass., 1898a, 95 (type of *Sphærostoma*).
- grossa* Mueller, 1774, 67.—To *Planaria* in 1776.
- gruis* Gmelin, 1790a, 3055 (in *gruis*).—Baird, 1853a, 55 (= *Dist. echinatum*).—Bosc, 1802a, v. 1, 270.—Dies., 1850a, 383 (syn. of *Dist. echinatum*).—Rud., 1809a, 432.
- gulo* Mueller, 1774, 56 (free from).—Schränk, 1803, 166 (to *Plan.*).
- halecis* Gmelin, 1790a, 3058 (in *halece*).—Dies., 1850a, 372 (syn. of *Dist. ocreatum*).—Mont., 1891, 496.—Rud., 1809a, 398 (syn. of *D. ocr.*).
- helluo* Mueller, 1774, 64–65.—Johnston, 1865, 13.—Schränk, 1803, 169 (to *Plan.*).
- hepatica* Linn., 1758a, 648–649 (in *aquis dulcibus ad radices lapidum, inque hepate pecorum*. Diss. de *Ovibus*; Europe); 1761, 505; 1766, 1077; 1792, 3053–3054; 1801, 33–34.—Abildg., 1790, 36 (to Dist.).—Adams, 1887, 318.—Adenot., 1863, 112.—Aitken, 1866, 804, 839; 1872, 146, 205; 1874, 58.—Aldrovandus, (1602).—Anaker, 1892c, 94.—Andral, 1829d, 615.—Andry, 1701, 121–122.—Ariola, 1900, 426 (of Linn., 1735, syn. of *Schistocephalus dimorphus*).—Armatage, 1895, 429, 430, 432, 433, 440.—Australian Pastoralists Rev., 1896, v. 5, 610–611.—Baillet, 1866b, 15, 18, 90, 99 (to Dist.).—Baird, 1853, 49 (pars = *Schistocephalus dimorphus*).—Barbut, 1783, 14–15, pl. 2, fig. 1.—Bauhin, (1677).—Ben., 1858a, 1861a, 172.—Bert & R. Bl., 1885, 585–586, fig. 539.—[Bidloo, 1698a.]—[Biggs, 1890a, 36–37.]—Blainv., 1828, 585.—[Blakeway, 1879a.]—E. Bl., 1847, 279–291.—R. Bl., 1888a, 543 (to Dist.). 602 (of Bloch, 1782, syn. of *Dist. lanceolatum*); 1890, 66–75, figs. 28–33; 1894g, 461–462; 1894h; 1895, 730–733, figs. 78–79; 1900g, 488.—Bloch, 1782a, 5–6, pl. 1, figs. 3–4.—Blumenbach, 1825a, 241.—[de Bonis, 1876a, 155.]—Borlase, 1758a.—Bosc [1802a], v. 1, 268.—[Bonvicini, 1881a, 133–134.]—Braun, 1893a, 883;

## FASCIOLA—Continued.

1893b, 180; 1900h, 9; 1901c, 327; 1903, 3 ed, 147-151, figs. 92-97 (syns. *Dist. hep. Retz.*, *Fasc. humana* Gmelin, *Dist. caviae*, *Cladocelum hep.* Stoss), 154  
 1906, 140, 142, 143, 145, 150-156, 157, figs. 74, 77, 81, 83-88.—Brett, 1881l  
 139-142.—[Brown, 1881a; 1882b; 1886b.]—Bruguère, 1791, pl. 79, figs. 1-8.—  
 [Bruck, 1865a, 33-35.]—de Bry, 1879.—Chabert, 1787a, 25 (63-64); 179.  
 152.—Civini, 1842.—[Clerc, 1907, 557, 558.—Cobbold, 1855a; 1855b, 3, 4, 6  
 1866, 6; 1872b, 91; 1876, 210, 211, 303; 1879b, 14, 25, 28, 48, 50, 315, 317, 318  
 322-331, 356, 404, figs. 17, 61; 1882, 699-704, pl. vi, figs. 2-8; 1883v, 50  
 1884g, 976.—Cuvier, 1798, 633-634; —, v. 2, 339; 1817a, 41-42; 1830, 263  
 264; 1831a, 364.—Daldorf, 1793, 159 (hepatum).—Dandolo, 1806, 28 pp.—  
 Darr, 1902, 649, 652, 657, 663, 684, 687.—[Daubenton, 1750-52.]—Dav., 1877;  
 2 ed., lxxv, figs. 36-38.—[Delafond, 1854a, 3-56, figs. 12-13.]—Delorme, 186  
 241.—Desmars, 1762.—[Dickens, 1830a, 645-647.]—[Didry, 1832a, 139-147.]—  
 Dies., 1850a, 332 (to *Dist.*), 333 (of Bloch, syn. of *Dist. lanceolatum*), 401 (of  
 Mueller, syn. of *Amphist. conicum*), 584 (pars of Linn., syn. of *Schistocephalus*  
*dimorphus*).—Dinwiddie, 1892a, 3.—Dowker, 1882a, 10, 11, 12, 13, pl. 1  
 fig. B. 1, pl. 2 E, figs. 1-2.—Drosse (1856a).—Dunglison, 1893a, 424, 821.—  
 Eber., (1798a), 22.—[Ellis, 1749.]—[Faber, 1670, 147.]—Fabricius, 1780, 327  
 328 (in sheep); 1794, 29.—Fil., 1854a, 27.—Fischder., 1903h, 504 (of Muelle  
 syn. of *Paramphist. cervi*).—La Fosse, 1772, 157; 1774, 320; 1779, 139.—  
 Frœlich, 1802a, 55-56.—Gabucinus, 1597.—Galli-Valerio, 1898b; 1898c.  
 8.—Gamb., 1896a, 67.—[Gemma, 1575a, 40.]—Gerlach, 1854; 1862.—  
 [Gesnerus, 1551.]—Giard & Billet, 1892a, 613.—Gmelin, 1790a, 3053-3054.—  
 [Gœze, 1782a, 169-172, pl. 14, fig. 1.]—Gomy, 1897a, 374.—Gurlt, 1849a, 120.—  
 Hahn & Lefèvre, 1884a, 516 (to *Dist.*).—Haldemann, 1851, 46, pl. 77, fig. 30.—  
 [Hamont & Fischer, 1834a; (1834b).]—Harley, 1876, 255-256, figs. 208, 209.—  
 Harrop, 1870a, 12-16 (heptica).—[Heide, 1686-1688, 46-47 (in sheep).]—  
 Herbst, 1787a, 31-32, pl. 4, figs. 1-2 [= *Dicrocoelium lanceatum*].—Hodg  
 son, 1838a, 528-538.—Hoyle, 1890, 535-540.—Huber, 1896, 574.—[Huizard  
 Desplas, 1797a, 10.]—[Huizard & Tessier, 1817a.]—Jaksch, 1889a, 186.—  
 [Joseph, 1883e, 171-172; 1883f, 322-323.]—Khoury, 1904, 78 (as cause of ha  
 zoun, at Liban).—King, 1836a, 95-101.—Kingsley, 1885, 191-194, figs. 168  
 174.—Klencke, 1844, 420 pp.—Kowal., 1902, 26, 8.—Kriwonogow, 1886.—  
 [Kulmus, 1721, 596.]—Lamarck, 1801a, 333.—[Lamouroux, 1824a, 560, 56  
 562, 563.]—Lander, 1904a, 10.—Laveran & R. Bl., 1895, 8-33, 186-188.—  
 [Leeuwenhoek, 1715, 1-33, 14 figs.]—Leuck., 1879, 33; 1886, 25; 1892b, 798.—  
 Looss, 1899, 557, 742; 1902m, 782; 1905, 110; 1907, Feb. 1.—Luche, 190  
 167; 1902, 224; 1905, 334.—Marshall, J. T., (1883), 10 (= a parasite o  
*Limnaea truncatula*).—Marshall, W., 1887.—Martens, 1824.—Mojkowsk  
 (1888a); 1888b, Mar., 118.—Moniez, 1896, 86, 90-114, 115, 118, 119, 121, 15  
 158, figs. 19, 20, 22, 23.—Mueh., 1898, 10.—Mueller, O. F., 1774, 52-5  
 1776; 1782.—Mueller, P. L., 1775, 42-43.—Neumann, 1888, 507-564, figs. 22  
 238; 1892, 501-528, figs. 271-281; 1892, 517-543, figs. 271-281.—[Nichol  
 1755, 216-248.]—Nord., 1840, 618.—Odhn., 1905, 338-339, 340, 344.—Olss  
 1876, 13.—Otto, 1816, vii.—Pallas, 1760; 1768, 269-271; 1781, 79.—Parke  
 1891, 79.—Par., 1887, 489.—Perroncito, 1882, 273-276, figs. 115-116.—[Pe  
 quet, 1668.]—Poir., 1883, 74.—Pratt, 1898, 357.—Rail., 1899, 345.—Rail.,  
 Marotel, 1898, 34, 37.—[Redi, 1684, 133; 1729.]—Roger, 1901, 94, 95.—[Ron  
 berg, 1706, 69-70.]—Rozier, 1774.—Rud., 1793a, 28-29; 1802, 62-64 (cf. *lanceo  
 lata*); 1804, 165; 1805, 37-38, a. hominis, b. equi, c. tauri; 1809a, 350, 35  
 1810a, 57 (pars syn. of *Bothriocephalus solidus*).—Ruyach, 1737, 23.—  
 [Schaeffer, 1726, 57.]—Schränk, 1788, 17; 1803, 210.—Schwarze, 1885, 41.—  
 Shaw, 1901, 1027.—Sieb., 1845, 223.—Simon, 1897, 222.—Simonds, (1862), 21.—  
 Smith, Wm. A., 1863, 35-36, fig. 7.—Sons., 1878, 615 (epatica); 1884, 59, 6  
 1889, 275; 1891, 254; 1896, 112-116; 1896, 4 pp., varieties of; 1896, 295, 302, 30  
 315; 1897, 250, 251, 252.—Spengel, 1905, 270.—Steel, 1881, 204 (in cattle).—  
 Stewart, 1898, 328-331, figs. 9-17.—Stieda, 1867, 52-59, pl. 2.—Stiles, 189  
 205; 1898a, 22, 29, 30, 31, 32, 33, 34, 35, 37, 38, 41, 42, 43, 45, 51, 52, 53, 5  
 56, 57, 137, 138, 139, 140, 141, 142, 143, figs. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 1  
 14, 15, 16, 17; 1901, 177; 1901, 180; 1901d; 1901e; 1902, 204; 1902, 220, 22  
 222; 1903, 884.—Stiles & Hass., 1898a, 88, 89, 97.—Stoss., 1892, 7 (to *Clad  
 ocelum*).—Sweiten [1758, 89].—[Thomson, 1855, 188.]—Turton, 1807.—  
 Tyson, 1903, 3 ed., 1180 (to *Dist.*).—Verrill, 1870, 170, 176, 177, 178, 213, 214.—  
 Veterinarian, 1879, v. 52, 738-741.—Walter, (1866), 63-64.—Ward, 1895, 24  
 252, pl. 1, figs. 1-13, 253 (in part of Dinwiddie, 1889, to *Fasc. magna*), 25  
 (syns. *Planaria latiuscula* Gœze, *Dist. hep. Abildg.*, *Fasc. humana* Gmeli

## FASCIOLA—Continued.

- F. lanceolata* Rud., 1803, *Fasciolaria hep.*, *Distomata hominis* Taylor, *Dist. caviæ* Sons.; 1903, 704, 706; 1903, 863, 864, 865 (syns. *Dist. hep.* Retzius, *Fasc. humana* Gmelin, *Dist. caviæ* Sons., *Cladocelium hep.*), 866 (syn. probably *Hexathyridium venarum*), 867, 870, 871.—[Wepfer, 1716.]—Wernicke, 1886, 304.—[Willius, 1674-1675.]—*Ztschr. f. mikr. Fleischschau*, Berl., 1880.—Zuern, 1882, 207, pl. 4, figs. 5-8.
- , *hepatica*, anatomy of: Jackson, 1888, 643-645, 649, 651, 652, 653.—Ramdohr, 1814, 128-131 (in sheep).—See also foregoing entries.
- , —, bibliography of: Hass., 1894b, 407-417, 457-462.
- , —, development of: Brown, 1882b, 624-630.—Rossouw, 1895, 578-579 (origin of).—Schubmann, 1905, 571-606, figs. 1-51; 1905, Oct. 10, 564-565; 1905, Oct. 18, 597.—Sons., 1884, 315; 1884, 76-77.—Thomas, 1881, Aug., 543-547; 1881, Sept., 629-633; 1881, Oct., 705-714; 1881, 740-741; 1881, Nov., 776-782; 1881, Dec., 847-853; 1881, v. 17, 1-29; 1882, Oct. 19, 606-608; 1882, v. 18, 439-455, figs. 1-6; 1882, Dec., 388-393; 1883, Mar., 180-189; 1883, May, 338-343; 1883, June, 404-409, figs. 1-6; 1883, July, 469-470 (and prevention); 1883, Aug., 550-557; 1883, Sept., 621-633; 1883, Oct., 681-690, figs. 1-20; 1883, v. 17, Oct., 270-286, figs. 1-18; 1883, v. 19 (37), 276-305, figs. 1-20; 1883, Nov., 344-352, fig. 19.—*Veterinarian*, Lond., 1880, May, 332-333; 1881, June, 390-392.—See also life cycle of.
- , —, embryo of: Baillet, 1879a, 197-215, figs. 1-11; 1880a, 19 pp.
- , —, geographic distribution of: Rail., 1895, 338-340 (var. in Senegal).—Rolleston, 1880b, 400-405.
- , —, histology of: Harley, 1876a, 255-256, figs. 208-209.
- , —, intermediate host of: Cobb, 1898c, 36-38, 2 figs.—Fielder, 1896a, 24-28, 139-140, 146-147, figs. 1-7.
- , —, in various animals: [Frommann, 1688c, 252-259; 1755a, 291-294].—In cattle: Cocu, 1897a, 369-371 (heart); 1898b, 98 (heart).—Galli-Valerio, 1901c, 364.—[Hutcheon, 1893h, 347 (death).]—Milla, 1876.—Morot, 1890, 191-193 (erratic).—Rail., 1897, July 30, 369-371 (heart).—Rail. & Morot, 1885, 285 (lungs).—Ward, 1895, 332 (biliary ducts).—Horse: Adams, 1876, 764-765 (India).—Galli-Valerio, 1901c, 364.—Ward, 1895, 338 (biliary ducts).—Man: Ashford, King & Igaravidez, 1904, Dec. 1, 92 (Porto Rico).—Looss, 1905, 88.—Ward, 1895, 238, 246, 328 (biliary ducts).—Wilson, 1880, Nov., 413-417.—Sheep: Camper, 1762a, 304, pl. 4.—Dupuy, 1822a, 29-36.—Galli-Valerio, 1901c, 364.—Halsted, 1883a, 741-748, figs. 1-11.—[Hutcheon, 1889e, 235 (Capetown); 1892m, 141; 1893o, 403-404; 1893r, 425-426].—Morton, 1839, Nov., 735-738, fig. 1.—Rhodesian Agric. J., Cape Town, 1906, v. 3 (5), June, 529.—Ward, 1895, 238-246.—Miscellaneous: [Cadéac, 1885a (*Equus asinus*, female); 1885b (*Equus asinus*, female).]—Cobbold, 1858b, 167 (*Lepus cuniculus*).—Ward, 1895, 238 (man, cattle, sheep, goat, horse, ass, hog, rabbit, cat), 246 (stag, squirrel, elephant), 335 (*Ovis aries*: biliary ducts).
- , —, life cycle of: Fagge & Pye Smith, 1902, 4 ed., 475 (syn. *Dist. hep.*).—Jackson, 1883a, 248-250.—Thomas, 1883, Jan., 99-133, pls. 2-3, figs. 1-26; 1883, v. 23, 8.—See also development of.
- hepatica ægyptica* (Looss, 1896), Stiles, 1898a, 23, 48, 49, 50, 139, 140, figs. 25-26.—Braun, 1903, 3 ed., 152 (in buffalo, cattle, sheep, goats); 1906, 157 (= *F. angusta* = *F. ægyptiaca*).—Looss, 1902m, 782.—Sons., 1896, 115; 1896, 295.
- hepatica angusta* Rail., 1895, 338-340 (in cattle: St. Louis, Senegal, Africa); 1895, 702.—R. Bl., 1895, 733 (= *F. gigantea*).—Braun, 1903, 3 ed., 151 (cattle, liver); 1906, 156, 158, fig. 89.—Gomy, 1897a, 376.—Looss, 1902m, 782.—Rail. & Gomy, 1899, 349.—Stiles, 1898a, 23, 48, 49, 137, 140, figs. 23, 24.—Sons., 1896, 2; 1896, 113, 115.—*Veterinarius*, 1898, 328.
- hepatica apri* Gmelin, 1790a, 3054 (in *Sus scrofa*; from Le Clerc, 1715a, 119).
- hepatica boum* Gmelin, 1790a, 3054 (in *Bos taurus*; Europe) (= *Planaria latiuscula* Goëze, 1782a, pro parte, renamed = *Fasc. hepatica*).
- hepatica caviæ* Sons., 1896, 112-116; 1896, 4 (in *Cavia*).—Stiles, 1898a, 48, 139.
- hepatica cervi* Gmelin, 1790a, 3054 (in *Cervus*).
- hepatica equi* Gmelin, 1790a, 3054 (in *Equus caballus*).
- hepatica ovata plana* Buchholzi of Jærdens, 1802a, 64-66, pl. 7, figs. 13-14 (see *Dicrocoelium lanceatum*).



## FASCIOLA—Continued.

- hepatica porcorum* Gmelin, 1790a, 3054 (in *Sus scrofa domestica*; Europe) (=Plan. latiuscula Goeze, 1782a, pro parte, renamed=F. hepatica).
- heterophyes* (Sieb., 1852) Moquin-Tandon, 1860.—R. Bl., 1888a, 625–627 (to Dist.).—Ward, 1895, 328 (in Homo).
- hirundinis* Frœlich, 1791, 75–76 (in *Thurmschwalbe*).—Baird, 1853 (syn. of *D. maculosum*).—Braun, 1901, 566; 1902b, 45, 46 (syn. of *Plagiorchis mac.*).—Dies., 1850a, 349 (syn. of *D. mac.*).—Linst., 1901, 197 (syn. of *D. mac.*).—Rud., 1809a, 374.
- humana* Gmelin, 1790a, 3053 (in Homo).—R. Bl., 1888a, 543 (syn. of *D. hepaticum*).—Braun, 1903, 3 ed., 147 (syn. of *F. hep.*); 1906, 150, fig. 83 (syn. of *F. hep.*).—Cobbold, 1866, 6.—Dunglison, 1893, 424.—Rud., 1809a, 353.—Stiles, 1898a, 29.—Ward, 1895, 246 (syn. of *F. hep.*), 328 (in Homo), 332 (in *Bos taurus*), 335 (in *Ovis aries*), 338 (in *Equus caballus*); 1903, 865 (syn. of *F. hep.*).
- inflera* Rud., 1802a, 82–83 (in *Cyprinus jesus*); 1809a, 395.—Dies., 1850a, 365 (to Dist.) (in *Leuciscus jesus*; Apr., Greifswald).
- intestinalis* Linn., 1758a, 649 (in *intestinis piscium*); 1761, 505.—Abildg., 1790, 34.—Baird, 1853 (syn. of *Ligula simplicissima*).—Barbut, 1783, 15, pl. 2, fig. 2.—Blumenbach, 1825, 242.—Bosc, 1802a, v. 1, 277 (syn. of *Lig. abdominalis*).—Braun, 1893a, 883; 1900a, 1642.—Bremser, 1819.—Dav., 1877, 260.—Dies., 1850a, 580 (syn. of *Lig. diagramma*).—Goeze, 1782a, 41, 183 (=a "Gattung" of Fasc. Goeze).—Herbst, 1787a, 32, 41 (syn. of *Lig. piscium*).—Luehe, 1905, 334.—Montin, 1763a, 113–118; 1766a, 122–127 (in Homo) [evidently a tapeworm, det. as *F. i.* Linn.].—Nord., 1840, 590 (syn. of *Lig. cingulum*).—Pallas, 1781, 95.—Rauh, 1779, 11.—Rud., 1810a, 20 (syn. of *Lig. cingulum*), 25 (syn. of *Lig. mergorum*).—Steenstrup, 1857, 186–195 (in *Stichling*); 1858, 298–312; 1859, Dec., 475–485.—Wegelin, 1779, 8.
- intestinalis* Gueldenstædt, (?1791a), 115 (in *Sorex moschatus*).—Dies., 1850a, 617 (syn. of *Cephalocotyleum mygales moschatæ* Rud.).—Rud., 1810a, 24 (=Ligula sorex moschati).
- jacksonii* Cobbold, 1869, 48–49, in Indian elephant; 1870, 47–49; 1873, 13; 1875, 733–743; 1879b, 393, 394, 395, 396, 397; 1882, 223–258, pls. 23, 24.—Braun, 1892a, 567, 650, 674, 710 (jacksoni); 1893a, 875, 910.—Fitz, 1876a, 513–518; 1876b, 513–518; 1876c, 854 (jacksoni).—Jackson, 1847, —.—Linst., 1878, —.—Looss, 1899b (to *Fasciolopsis*).—Sons., 1889, 275 (jacksoni); 1896, 114, 115 (jacksoni).—Stiles, 1895, 144–147, pl. 6, 213–215; 1898a, 29.—Veterinarian, Lond., 1876, 854 (jacksoni).
- jesus* Gmelin, 1790a, 3058 (in *Cyprinus jesus intest.*; Europe).—Bosc, 1802a, v. 1, 275.—Dies., 1850a, 365 (syn. of *D. inflexum* Rud.).—Rud., 1793, 30; 1809a, 372, 395.
- lactea* Mueller, 1774, 61–62 (in rivo sub foliis nymphææ ac in *Palustris frequens*).—Schränk, 1803, 167 (to Plan.).—Johnston, 1865, 10.
- lagna* (Braun, 1788) Gmelin, 1790a, 3057 (in *Perca fluviatilis*).—Baird, 1853a, 57 (syn. of *Dist. nodulosum* Zed.).—Bosc, 1802a, v. 1, 273.—Rud., 1809a, 411 (syn. of *D. nod.*).
- lanceolata* Rud., 1803a, 24–25 (nec Schrank, 1790) (in Homo; Europe); 1809a, 353 (syn. of *Dist. hepaticum*).—R. Bl., 1888a, 543 (syn. of *D. hep.*), 602 (syn. of *D. lanceolatum*).—Braun, 1903, 3 ed., 157, 166 (to *Dicrocoelium*).—Dies., 1850a, 333.—Dunglison, 1893, 424 (*lanceolatum*).—Stiles, 1898a, 55.—Stiles & Hass., 1898a, 87 (=lanceatum, type of *Dicrocoelium*).—Ward, 1895, 246, 328 (in Homo), 332 (in *Bos taurus*), 335 (in *Ovis aries*).
- lanceolata* Schrank, 1790, 123 (in *Cyprinus brama*); 1803, 213–214.—Dies., 1850a, 341 (syn. of *D. globiporum*).
- lanceolata* (*bramæ*) [Schrank, 1790, 123] of Rud., 1809a, 364 (syn. of *Dist. globiporum*), see *lanceolata* 1790.
- laureata* (Zed., 1800) Rud., 1802a, 86–87; 1809a, 413 (to Dist.).—Blainv., 1824a, 518 (type of *loboetome*).—Dies., 1850a, 380 (to Dist.).—Lamarck, 1816, 184.—Nord., 1840, 621 (includes *F. farionis*).
- linearis* Rud., 1793a, 29 (in *Phasianus gallus*; Greifswald, Oct.); 1802a, 85–86; 1809a, 414.—Dies., 1850a, 380 (to Dist.).—Hass., 1896a, 2, 3 (to *Crossodera*).
- linearis* Mueller, 1774, 67–68 (in *foveis palustribus sylvarum*).—Schränk, 1803, 172–173 (to Plan.).

## FASCIOLA—Continued.

- linearis longa* Linn., —. —Pallas, 1781a, 95 (in *Cyprinus variis*).  
*lineata* Mueller, 1774, 60-61 (in *littore maris Balthici*).  
*lologinis* Gmelin, 1790a, 3059 [or Fabricius, —, 328] (includes *F. barbata* Linn., probably this renamed).—Baird, 1853a, 115 (= *Tetrabothriorhynchus barbatus*).—Dies., 1850a, 573 (syn. of *Tetraboth. migratorius*).—Rud., 1810a, 385.  
*longicollis* Abildg. [1788], 34, pl. 151, fig. A, 1-2 (in *Coluber natrix*).—Dies., 1850a, 348 (syn. of *D. naja*).—Olfers, 1816, 46.—Rud., 1819a, 377 (syn. of *D. naja*).  
*longicollis* Rud., 1809a, 380 (syn. of *Dist. tereticolle*), based on Bloch, 1782a, 6 (syn. *Fasc. lucii* in *Esox lucius*).—Ben., 1858a, 1861a, 100 (to *D. ter.*).—Dies., 1850a, 358 (syn. of *D. ter.*).—Nord., 1840, 619 (syn. *D. ter.*, *F. lucii*).—Lamarck, 1816, 183.—Sramek, 1901, 105.  
*longicollis* Frœlich, 1791, 73-75, pl. 3, figs. 9-11 (in *Cyprinus carpio*).—Dies., 1850a, 341 (syn. of *Dist. globiporum*).—Harz, 1881c, 11 (to *Dist.*).—Looss, 1894a, 41 (syn. of *D. gl.*), 49 (e. p. syn. of *D. isoporum*); 1902m, 763 (and *D. gl.*).—Rud., 1809a, 365 (syn. of *D. gl.*); 1814a, 103.—Stiles, 1901, 168.  
*longicollis (carpionis)*, see *longicollis* (Frœlich).  
*lucii* Mueller, 1776, 224 (in *Lucius, esoph. and stomach*); 1779a, 67-68, pl. 30, fig. 7, in *Esox lucius*; 1780, 136; 1784, 115, pl. 78, figs. 6-8; —, vol. 1, 33-34, pl. 30, fig. 7 (ventric. of *Esox lucius*); —, vol. 2, 52-33, pl. 78, figs. 6-8; 1780, 203.—Baird, 1853a, 53 (= *D. tereticolle*).—Ben., 1858a, 1861a, 100 (syn. of *D. ter.*).—Bloch, 1779a, 537, pl. 14, figs. 1-4; 1782a, 6-7.—Bosc, 1802a, v. 1, 274.—Bruguère, 1791a, pl. 79, figs. 20-23.—Crep., 1837, 316.—Dies., 1850a, 358 (syn. of *D. ter.*).—Gmelin, 1790a, 3058.—Harz, 1881c, 5 (to *Dist.*).—Herbst, 1787a, 32, pl. 4, figs. 1-4.—Jurine, 1823a, 145-153, figs. 1-5; 1824a, 489-497, figs. 1-5; 1830a, 784-785.—Knoch, 1862, 19.—Looss, 1894a, 5 (syn. of *D. ter.*).—Nord., 1840, 619 (syn. of *F. longicollis*).—Rud., 1809a, 379.—Schränk, 1788, 18.—Sramek, 1901, 105.  
*luciopectus* Mueller, 1776, 223; 1779a, 64, pl. 30, fig. 2; 1788, vol. 1, 32, fig. 30, fig. 2 (int. *Perca luciopectus*).—Baird, 1853a, 56 (= *D. nodulosum*).—Bosc, 1802a, v. 1, 273.—Bruguère, 1791a, pl. 79, fig. 13.—Dies., 1850a, 380 (syn. of *D. nod.*).—Gmelin, 1790a, 3057.—Herbst, 1787a, 33.—Looss, 1894a, 33 (syn. of *D. nod.*).—Nord., 1840, 621 (syn. of *F. nodulosa*).—Rud., 1809a, 410.—Schränk, 1788, 18; 1790, 123.—Sramek, 1901, 106 (syn. of *D. nod.*).—Stiles & Hass., 1898a, 84, 85 (syn. of *D. nod.*).  
*lucipetum* (Rud., 1819) Blainv., 1828a, 585.  
*marrostopoma* Rud., 1803a, 26-27 (in *Nachtigall*); 1809a, 386.—Blainv., 1828, 585.—Dies., 1850a, 361 (to *Dist.*).—Poche, 1907, 125.—Stiles, 1901, 192.—Stiles & Hass., 1898a, 95, 96 (type of *Urogonimus*).  
*maculosa* Rud., 1802a, 67-68 (*F. hirundinis* Frœlich renamed) (in *Hirundo apus*, *H. rustica*, *H. urbana*); 1809a, 374.—Braun, 1902b, 46 (to *Plagiogochis*).—Dies., 1850a, 349 (to *Dist.*).  
*magna* (Bassi, 1875) Stiles, 1894c, 172-178, 225-243, pls. 1-11, figs. 4-7, a-g; 1895l, 277-280; 1894w, 91-94; 1896i, 202; 1898a, 22, 27, 29, 42, 49, 51, 52, 53, 54, 55, 140, 141, 142, figs. 28-35; 1902, 222.—Bossuat, 1902, v. 6 (2), 192.—Looss, 1899b, 557; 1902m, 783.—Pratt, 1898, 357, 365.—Rail., 1893a, 356.—Salmon & Stiles, 1901, 454.—Smith, F. C., 1881, 14 (*Dist. crassum*).—Sons., 1889, 275 (syn. *Dist. magnum*); 1896, 114, 115; 1896, 303.—Ward, 1895, 238 (in cattle), 252-253, 254-255, pl. 2, figs. 14-16 (in cattle and deer) (includes: *D. hepaticum* p. p., *F. hepatica* p. p., *F. carnosus*, *F. americana*, *D. texanicum*), 332 (in *Bos taurus*), 335 (in *Ovis aries*), 338 (in *Equus caballus*); 1903, 866 (includes: *F. americana*, *F. carnosus*, *Cladocœlium giganteum* p. p., *D. crassum* p. p., *D. texanicum*), 867.—Also reported for *Boselaphus tragocamelus*, *Cervus canadensis*, *C. dama*, *C. elaphus*, *C. virginianus*, *C. unicolor*.  
*maimonis* Blainv., 1828a, 586, 2 figs. (in *Simia maimon*).—Dies., 1850a, 374 (syn. of *D. laciniatum*).  
*marmorosa* Mueller, 1774, 71 (in *fossis aquaticis rara*).—Schränk, 1803, 175 (to *Plan.*).  
*melis* Schränk, 1788, 17 (in *Dachs, Meles*), based on Græze, 1782a, 176, pl. 14, figs. 9-10; 1803, 214.—Bosc, 1802a, v. 1, 268.—Dies., 1850a, 381 (syn. of *D. trigonocephalum*).—Gmelin, 1790a, 3053.—Rud., 1793a, 26-27; 1809a, 415.  
*mesostoma* Rud., 1803a, 28 (in *Krametsvogel*); 1809a, 388 to *Dist.*—Braun, 1902b, 126.—Dies., 1850a, 361.

## FASCIOLA—Continued.

- militaris* Rud., 1803a, 30-31 (in *Scolopax arquata*); 1809a, 421 (to Dist.).—Ben., 1858a, 1861a, 86 (to Dist.).—Dies., 1850a, 384 (to Dist.).
- milvi* Gmelin, 1790a, 3054 (in *Milvus*).—Bosc., 1802a, v. 1, 269.—Dies., 1850a, 385 (syn. of *D. echinocephalum*).—Rud., 1809a, 429 (syn. of *D. falconis milvi*).
- muris hepatica* Reederer, 1762, 537-539 (*Mus musculus*; Germany).—Braun, 1894.—Luehe, 1905, 146 (syn. of *Cysticercus fasciolaris*).—Stiles, 1906, 43.—Stiles & Stevenson, 1905a, 10.—Tschudi, 1837, 67.
- mutabilis* Schrank, 1803, 210-211.
- nana* Rud., 1802b, 68-69 (in *Scolopax gallinula*; Greifswald, July); 1809a, 377, to Dist.—Dies., 1850a, 350 (to Dist.).—Braun, 1902b, 47 (to *Plagiorchis*).
- nigra* Mueller, 1774, 54 (in vivo; free form).—Herbst, 1787a, 36.—Johnston, 1865, 9.—Schrank, 1803, 165 (to Plan.).
- nodulosa* Frelich, 1791, 76-80 (includes *F. percae cernuae* Mueller (in *Perca cernua*, *P. fluviatilis*).—Dies., 1850a, 380 (to Dist.).—Looss, 1894a, 33 (to Dist.).—Nord., 1840, 621 (includes *F. luciopercae*, *F. percae cernuae*).—Lamarck, 1816, 184.—Rud., 1809a, 411.—Schrank, 1803, 213.—Type of *Crossodera* 1845 and *Bunodera* 1896.
- obscura* Mueller, 1774, 65 (in piscinis).—Schrank, 1803, 171-172 (to Plan.).
- oreata* Rud., 1802b, 79-81 (*F. halecis* Gmelin, renamed ) (in *Clupea harengus*); 1809a, 329, 398 (to Dist.).—Dies., 1850a, 372 (to Dist.).—Mont., 1891, 15 (to *Apoblemma*); 1891, 496, 499.—Type of *Pronopyge* 1899.
- oreata* Goze, 1782a, 182, pl. 15, figs. 6-7 (in *Maulwurf*).—Dies., 1850a, 326 (to Monost.) (in *Talpa europaea*).—Nord., 1840, 624 (to Monost.).—Rud., 1809a, 329 (to Monost.).
- ocularis* Moquin-Tandon, 1860, 347 (includes Dist. *ophthalmobium*, *Dicrocoelium oculi humani*); 1861; 1862.—R. Bl., 1888a, 630.—Stiles, 1902, 29.—Ward, 1895, 328 (in *Homo*).
- oculis* Moquin-Tandon (*Hulme's*), 1861, 375, for *F. ocularis*.—Stiles, 1902, 28, 29.
- ovata* Rud., 1803a, 25-26 (in *Corvus frugilegus*); 1809a, 357 (to Dist.).—Braun, 1901, 13; 1902b, 69, 77 (p. p. syn. of *Prosthogonimus cuneatus*; pp. syn. of *P. cuneatus*).—Dies., 1850a, 335 (to Dist.).—Hass., 1896a, 2, 3 (to *Cephalogonimus*).—Looss, 1899b, 1899 (type of *Prymnopriion*).
- percae* Gmelin, 1790a, 3057 (= *F. percae cernuae* renamed) (in *Perca cernua*).—Bosc., 1802a, v. 1, 273.—Baird, 1853a, 56 (syn. of Dist. *nodulosum*).—Bruguière, 1791a, pl. 79, fig. 14.—Rud., 1809a, 411 (syn. of *D. nod.*).
- percae cernuae* Mueller, 1776, 224; 1779a, 65, pl. 30, fig. 1 [sic. = fig. 3]; 1788, v. 1, 32, pl. 30, fig. 3 (in *Perca cernua*).—Dies., 1850a, 380 (syn. of *D. nodulosum*).—Herbst, 1787a, 33.—Looss, 1894a, 33 (syn. of *D. nod.*).—Nord., 1840, 621 (syn. of *F. nod.*).—Rud., 1809a, 410.—Schrank, 1788, 18.
- percina* Schrank, 1790, 123 (in *Perca asper*, *P. vulgaris*); 1803, 213.—Dies., 1850a, 380 (syn. of *D. nodulosum*).—Looss, 1894a, 33 (syn. of *D. nod.*).—Rud., 1809a, 411.
- picta* Rud., 1802, 64-65 (*F. vespertilionis* renamed) (in *Fledermaus*); 1809a, 427 (renamed *lima*).—Dies., 1850a, 387 (syn. of *D. lima*).—Kolenati, 1857, 12.
- platellæ* Bosc., 1802a, v. 1, 273 (see *platessæ*).
- platessæ* Mueller, 1784, 114, pl. 78, figs. 1-5; 1788, v. 2, 52, pl. 78, figs. 1-5.—Bruguière, 1791a, 79, figs. 26-27.—Cobbold, 1858b, 160.—Dies., 1850a, 352 (syn. of *D. areolatum*).—Gmelin, 1790a, 3057.—Rud., 1809a, 401 (renamed *D. areol.*).
- polymorpha* Rud., 1802b, 70-72 (*F. anguillæ* Gmelin, renamed) (in *Aal*); 1809a, 363 to Dist.—Dies., 1850a, 340 (to Dist.).
- punctata* Mueller, 1774, 57 (in *pratis inundatis primovere*, free form).—Pallas, 1774, 23, pl. 1, fig. 14 a b (in aq., Belgii).—Schrank, 1803, 166 (to Plan.).
- punctum* (Zed., 1800) Blainv., 1828a, 586.
- pusilla* (Braun, 1790) Gmelin, 1790a, 3055.—Bosc., 1802a, v. 1, 269.—Dies., 1850a, 360, to Dist.—Rud., 1802b, 75-76; 1809a, 385 (to Dist.).
- putorii* Gmelin, 1790a, 3053 (in *Mustela putorius*).—Bosc., 1802a, v. 1, 268.—Dies., 1850a, 381 (syn. of Dist. *trigonocephalum*).—Rud., 1793a, 25-26; 1809a, 415.—Schrank, 1788, 17.—Stoss., 1892, 29 (syn. of *Echinoet. trigonocephalum*).
- quadrangularis* Pallas, 1774, 20-21, pl. 1, figs. 12a-c (in *fossis*; *Hagæ comitum*).

## FASCIOLA—Continued.

- radiata* Mueller, 1774, 66 (in aquis sylvestribus, rara).
- rana* Gmelin, 1790a, 3055 (for Plan. subclavata Gørze, 1782a, 178, which includes Fasc. subclavata, ore sessili Pallas pro parte; t. h. [based on Gørze] frog, Rana, intestine; Europe).—Bosc, 1802a, v. 1, 270. Rud., 1809a, 348 (syn. of Amphist. subclavatum).
- rana* Frölich, 1791, 69-73, pl. 3, figs. 7-8 (in Rana temporaria L.).—Baird, 1853a, 52 (syn. of Dist. clavigerum).—Braun, 1892a, 768. Dies., 1850a, 352 (syn. of D. clavigerum).—Looss, 1894a, 84, 85, 88 (syn. of D. endolobum); 1905, 21, 22 (syn. D. endol.).—Olfers, 1816, 45.—Rud., 1809a, 348 (syn. of Amphist. subclavatum).
- reticulata* (Wright, 1879) Looss, 1899b, 557.
- revoluta* Frölich, 1802, 58-60, pl. 2, figs. 6-7 (in Anas boschas; Europe).—Looss, 1899b, 680 (syn. of Echinost. echinatum).—Rud., 1814a, 102 (sub Dist. echinatum).
- rosea* Mueller, 1774, 58 (in sinu Dröbachiensis).
- rostrata* Mueller, 1774, 65-66 (in paludosis, primo vere annorum).—Johnston, 1865, 15.—Schränk, 1803, 170-171 (to Plan.).
- rubra* Mueller, 1774, 59 (Fucorum frequens).—To Plan. in 1776.
- saccata* Gørze, 1782a, 221, based on Sack-Egel of Merrem, 1781, 169, pl. 1, figs. 3-7.—Braun, 1894a, 4.—Raum, 1883, 20. Stiles, 1906, 43.—Stiles & Stevenson, 1905a, 10 (syn. of Cysticercus fasciolaris).—Tschudi, 1837, 67 (syn. of Cyst. fasc.).—Zed., 1803a, 406 (syn. of Cyst. tenuiformis).
- salamandra* Frölich, 1789, 119-121, pl. 4, figs. 8-10 (in black salamander, Salamandra atra).—Bosc, 1802a, v. 1, 270.—Dies., 1850a, 356 (syn. of Dist. crassicolle).—Gmelin, 1790a, 3055.—Rud., 1809a, 378.—Stiles, 1901, 197.
- salmonis* Mueller of Gørze, 1782a, 173.—Luche, 1901, 399 (? syn. of Hemiusurus crenatus (Rud.) Luche).—Odhn., 1905, 353.
- scabra* Mueller, 1784a, 31-32, pl. 51, figs. 1-8, in Gadus barbatus; —, v. 2, 14, pl. 51, figs. 1-8 (in ventric. Gadus barbatus).—Bosc, 1802a, v. 1, 272.—Bruguière, 1791a, pl. 79, figs. 28-32, v-z. Dies., 1850a, 393.—Gmelin, 1790a, 3056.—Knob, 1894a, 3.—Mont., 1891, 507.—Odhn., 1905, 349 (=F. serrulata Mueller), 353.—Rud., 1809a, 406 (to Dist.).
- scombri pelamidis* Tilosius, in Rud., 1809a, 391 (syn. of Dist. clavatum), 437.—Buttel-Reepen, 1902, 166.—Cobbold, 1879b, 461.—Dies., 1850a, 366 (syn. of D. clav.).
- scorpii* Mueller, 1776, 223; 1779a, 64, pl. 30, fig. 1; 1788, v. 1, 32, pl. 30, fig. 1 (in Cottus scorpius, Blennius viviparus, int.).—Bosc, 1802a, v. 1, 273.—Bruguière, 1791a, 79, fig. 12. Dies., 1850a, 366 (syn. of D. granulum).—Gmelin, 1790a, 3057.—Herbst, 1787a, 33.—Lamarck, 1816, 183-184.—Nord., 1840, 620 (syn. D. gran.).—Rud., 1809a, 394 (syn. of D. gran.).—Schränk, 1788, 18.
- serrulata* Mueller, 1776, see Gørze, 1782a, 173.—Luche, 1901, 399 (? syn. of Hemiusurus crenatus (Rud.) Luche).—Odhn., 1905, 349 (=F. scabra Mueller), 353.
- solariformis* Blainv., 1828a, 585 (for solariformis Rud., 1809).
- squali grisei* Risso, —, 38, see Dies., 1850a, 347 (syn. of D. veliporum).
- stagnalis* Mueller, 1774, 53 (in stagnis; free form).—To Plan. in 1776.
- strigata* Mueller, 1774, 66-67 (in aquis paludosis).—To Plan. in 1776.
- strigis* (Schränk, 1788) Gmelin, 1790a, 3055.—Baird, 1853a, 47 (=Holost. macrocephalum).—Bosc, 1802a, v. 1, 269.—Dies., 1850a, 312 (syn. of Holost. variabile).—Linst., 1905, 191.—Nord., 1840, 626 (syn. of Amphist. macrocephalum).—Rud., 1809a, 340 (syn. of Amphist. macro.).—Type of Strigea, Amphist., Holost.
- strigis stridulae* Braun, in Rud., 1809a, 347.
- subclavata* (Gørze, 1782) Schränk, 1788a, 19; 1803, 211-212.—Dies., 1850a, 318 (of Schränk to Diplodiscus), 368 (of Pallas syn. of Dist. cylindraceum).—Looss, 1894a, 64 (Pallas c. p. syn. of Dist. cygnoides); 1905, 21, 22.—Rud., 1809a, 318 (of Schränk syn. of Amphist. subclavatum), 393 (of Pallas syn. of Dist. cylindraceum).
- subclavata ore sessile* Pallas, 1760 or 1761, 271 (polynomial), in lungs of Rana and liver of Hungarian sheep.

## FASCIOLA—Continued.

- tentaculata* Mueller, 1774, 63–64 (in aquis palustribus).—To Plan.
- tereticollis* Rud., 1802b, 74–75 (F. lucii Mueller, renamed); 1809a, 380.—Ben., 1858a, 1861a, 100 (to Dist.).—[Blainv., 1828a, 585.]—Dies., 1850a, 358.—Looss, 1894a, 5; 1899b, 570 (type of Azygia).—Sramek, 1901, 105 (to Dist.).
- terrestris* Mueller, 1774, 68–69 (in asseribus muscisque humidis).—Claus, 1885a, 262 (to Rhynchodesmus, Geoplanidae).—Metchnikov, 1866b, 433–447; 1866, 22 pp. (? syn. of Geodesmus bilineatus).
- tetragona* Mueller, 1774, 69 (in stagno ac foveis aquae purioris nec vulgaris).—To Plan. in 1776.
- tinca* Modeer, 1790, 127 (in Cyprinus tinca).—Dies., 1850a, 395 (syn. of D. perlatum).—Looss, 1894a, 24 (syn. of D. perl.).—Rud., 1809a, 365 (syn. of D. globiporum).—Stiles & Hass., 1898a, 92 (syn. of D. perlatum).
- torra* Mueller, 1774, 62–63 (in aquis).—Johnston, 1865a, 11.—Schränk, 1803, 167–169 (to Plan.).
- trachea* Montagu, 1811a, 194–198, pl. 7, fig. 4 (in poultry).—Hass., 1896a, 3, 6 (syn. of Syngamus trachealis); 1896b, 1, 2.—Rail., 1893a, 453 (syn. of Syng. trach.).
- transversalis* Rud., 1802a, 69 (in Cobitis fossilis); 1809a, 362; 1819a, 95 (Greifswald and Berlin).—Dies., 1850a, 339.—Odhn., 1901, 505.
- tremellaris* Mueller, 1774, 72 (in mari Balthico, Hafniam alluente).—Johnston, 1865a, 6.—To Plan. in 1776.
- trigonocephala* Rud., 1802b, 87–88 (F. melis Schrank, renamed) (in Schweinigel).—Dies., 1850a, 382.—Lamarck, 1816, 184.—Nord., 1840, 621–622 (includes D. echinatum, Echinost. echinatum, E. ferox, F. echinata, F. ferox, Plan. putorii).—Stoss., 1892, 29 (to Echinost.).
- trutta* Bosc, 1802a, v. 1, 274 (for truttæ, Frølich).
- truncata* Mueller, 1806, 35, pl. 151, fig. B, 1–3 (in Perca lucioperca).—Rud., 1814a, 105.
- truttæ* (intestinalis) Röderer, 1762, June 19, 537 (in forelle).—Bosc, 1802a, v. 1, 274.—Dies., 1850a, 583 (syn. of Ligula nodosa).—Luehe, 1904, 146; 1905, 334 (=Echinorhynchus).—Rud., 1809a, 262 (? syn. of Echinorhynchus fusiformis); 1810a, 18 (syn. of Lig. nod.).—Schränk, 1803, 209.
- truttæ* Frølich, 1789, 126, 127, pl. 4, figs. 16–17 (in Salmo trutta; Europe).—Dies., 1850a, 380 (syn. of Dist. laureatum).—Gmelin, 1790a, 3058.—Rud., 1809a, 413 (syn. of D. laur.); 1814a, 102 (syn. of D. farionis Frølich).
- umbellæ* Fabricius, 1780a, 329; 1794, 26–29, pl. 3, figs. 6–8 D (in Salmo umbellæ; Greenland).—Bosc, 1802a, v. 1, 274.—Dies., 1850a, 343 (syn. of Dist. seriale).—Gmelin, 1790a, 3058.—Herbst, 1787a, 36.—Rud., 1809a, 368, 369 (renamed Dist. seriale, in Salmo alpinus).
- uncinata* Dies., 1850a, 412 (syn. of Polyst. integerrimum) lapsus for uncinulata.—Stoss., 1898, 10.
- uncinulata* (Braun, 1790) Gmelin, 1790a, 3056.—Bosc, 1802a, v. 1, 270.—Nord., 1840, 594 (syn. of Linguatula integerrima).—Rud., 1809a, 452 (syn. of Polyst. integerrimum).
- upupa* Schrank, 1790, 123 (in Upupa epops, rectum); 1803, 211.—Dies., 1850a, 351 (syn. of Dist. involutum).—Rud., 1809a, 377 (syn. of D. involutum).
- varica* Mueller, 1784a, 93–94, pl. 72, figs. 8–11 (in Salmo salar); 1788, v. 2, 43, pl. 72, figs. 8–11.—Bosc, 1802a, v. 1, 273.—Bruguière, 1791a, pl. 80, figs. 5–8.—Dies., 1850a, 368 (to Dist.).—Gmelin, 1790a, 3057.—Lamarck, 1816, 184.—Levin., 1881a, 54 (to Dist.).—Nord., 1840, 620 (to Dist.).—Odhn., 1905, 360 (to Derogenes).—Rud., 1802b, 81; 1809a, 396 (to Dist.).
- venarum* (Treutler, 1793) Schrank, 1803, 210.
- ventricosa* Pallas, 1774, 17–18, pl. 1, figs. 9–10 (host not given; Amboyna).—Baird, 1853a, 59 (to Hirudinella).—Buttel-Reepen, 1900a, 586; 1902, 166, 172, pl. 6, fig. 2.—Cobbold, 1879b, 459, 460.—Darr, 1902, 664, 665, 666.—Dies., 1859c, 431.—Herbst, 1787a, 36.
- verrucosa* Frølich, 1789, 112–115, pl. 4, figs. 5–9 (in weidender Gänse) Ben., 1858a, 1861a, 78 (to Monost.).—Dies., 1839e, 234; 1850a, 411 (syn. of Notocotyle triseriale).—Hass., 1896a, 3 (to Notocotyle).—Mont., 1892, 26.—Nord., 1840, 602 (syn. of Nocotylus triserialis), 624 (to Monost.).—Odhn., 1905, 366 (type of Catatropis).—Rail., 1893a, 340 (to Notocotyle).—Rud., 1809a, 331.—Schränk, 1803, 209.

## SCIOLA—Continued.

- respertilionis* Mueller, 1784a, 95-96, pl. 72, figs. 12-16; 1788b, v. 2, 43-44, pl. 72, figs. 12-16 (in *Vespertilio auritus*).—Bosc, 1802a, v. 1, 268-269.—Braun, 1900, 387.—Bruguère, 1791a, pl. 80, figs. 9-11.—Dies., 1850a, 387 (syn. of *D. lima*).—Gmelin, 1790a, 3053.—Kolenati, 1857, 12.—Lamouroux, 1824a, 563.—Rud., 1793a, 27-28; 1809a, 427.—Schränk, 1788, 18.
- viridis* Mueller, 1774, 59-60 (in *radicibus fucorum*; Greenland).
- vulpis* Gmelin, 1790a, 3053 (in *Canis vulpes*; Europe).—Brand., 1888a, 9, 60 (syn. *Hemist. alatum* Dies.).—Dies., 1850a, 308 (syn. of *Hemist. alatum*).—Rud., 1793a, 30-32; 1809a, 402 (syn. of *D. alatum*).
- SCIOLARIA Rafinesque, 1815, 151, fam. name, includes *Anthostoma*, *Caryophylleus* Zed., *Fascinia*, *Fasciola* L., *Hexathyridia* Treutler, *Linguatula* L., *Lingula* L., *Polystoma* Zed., *Unicola* Raf.
- SCIOLARIA Encyclop. Metrop. or Universal Dict. of Knowledge, Lond., v. 18, 141 (as generic name) [not *Fasciolaria* Lamarck, 1799, mollusk].—Dies., 1850a, 577 (misprint for *Fasciola*).—Stiles & Hass., 1898a, 89 (syn. of *Fasciola*).
- fimbriata* (Göze, 1782) Dies., 1850a, 577 (misprint for *Fasciola*) (syn. of *Caryophyllæus mutabilis*).—Sramek, 1901, 114 (syn. of *C. mut.*).
- hepatica* (Linn., 1758) Encycl. Metropolitana, 1845, v. 18, 141 (type of *Fasc.*).—Stiles, 1898a, 29.—Ward, 1895, 246.
- ranæ* (Gmelin, 1790) Nord., 1840, 627 (syn. of *Amphist. subclavatum*) (for *Fasciola*).
- SCIOLIASIS, BIBLIOGRAPHY OF: Huber, 1890f, 77-79.
- , GEOGRAPHIC DISTRIBUTION: Biermer, 1863a, 381-395 (Switzerland); 1895a, 253 (Switzerland).—Chardin, 1876a, 277-314 (Orleansville).
  - , in various animals: Burke, 1886b, 470; 1887a, 47.—Hass., 1894a, 162-167 (epizootics).
  - , in cattle: Bilhuber, 1791a (and sheep).—Lucet, 1890b, 548-549 (lungs); 1890c, 549-550 (spleen).—Stiles, 1902b, 64-69, figs. 93-98, 126-134, figs. 99-109, 204-209, figs. 110-113, 312-319, figs. 114-118, 373-379, figs. 119-122, 558-559, figs. 123-124.
  - , HEPATIC, IN MAN: Askanazy, 1900b, 491, 496 (Bostroem's 1883a case); 1901, 75 (chronic choleperitonitis and fibrinous periportitis).—Biermer, 1863a, 381-395 (Switzerland); 1865a, 253 (Switzerland).—R. Bl., 1891p, 604-606, 616 [see correction in R. Bl., 1894g].—Bossuat, 1902 v. 6 (2), 187.—Bostroem, 1883a, 557-577, 1 fig.—Chabert, 1852a, 173-174 [a tapeworm]; 1852c, 174; 1852d, 195-196.—Chester, 1887a, 359-360 (must have been contracted in Dorsetshire, England).—Duffek, 1902a, 772-775; 1902b, 826; 1903a, 30; 1903, Aug. 15, 843.—García Sola, 1884a, 129-135, fig. 5.—Huber, 1896, 574-575 (22 cases in 100 years).—Humble & Lush, 1881a, 75-76 (England).—Leichtenstern, 1885b, 502.—Prunac, 1878, 1147-1149; 1879, v. 27, 99-109; 1879, July 27, 429-434.—Sagarra, 1890, v. 14, 505-512; 1891, Apr. 18, 510-511.—Staff., 1905, Apr. 11, 694 (Canada).—Wyss, 1868, v. 9, 172-177, pl. 3, figs. 1-2.
  - , HEPATIC, SHEEP: Bass, 1893a, 93.—Cristini, (1845a).—[Dowling, 1894a, 232].—[Dun, 1880a, 550-556; 1881a, 141-204].—[Dupuy, 1838a, 511-523].—[Flemming, 1881a, 87-93; (1881b)].—[Fonssagrives, 1868a, 299-315, figs. 1-2].—[Friedberger, 1880a].—[Frommann, 1688b, 245-252].—General, (1883a), 86-87.—Halse, 1887a, 62 pp.; 1887b, 65; 1888a, 147-149.—Hutcheon, 1895h, 350-354, figs. 1-4.—King, 1836a, 95-101.—Morton, 1839, 735-738.—Waldinger, 1818.—Wernicke, 1888, 673 (Buenos Ayres).
  - , PATHOLOGY AND LOCATION: Bossuat, 1902, 187.
  - , symptoms: Khouri, 1904, 78, 79, 80, 81 (halzoun).
  - , treatment: Bennett, 1876a, 677-680 (salt and potash: Australia).—[Hellier, 1895k, 635].—[Hutcheon, 1891m, 86-87; 1891n, 140-141, sheep]; 1893b, 23 (creolin); 1897b, 100 (sheep); [1897g, 142-146].—Syme, 1895, Dec. 26, 680-681.
- SCIOLIDÆ Rail., 1895, 338.—R. Bl., 1895, 729-730.—Braun, 1900b, 387-391 (of Chiroptera); 1900c, 24-32 (Clinost.); 1900d, 27-29 (Rhopalias); 1900f, 387-391 (of Chiroptera); 1900g, 250; 1901i, 55-58 (nomenclature); 1902a, 120 (nomenclature); 1902b, 1-162, figs. 1-99 (of birds); 1902c, 442-444; 1903, 3. ed., 147, 445; 1905, 59-60.—Darr, 1902a, 644-701, pls. 33-35, figs. 1-34; 1902b, 735-736; 1902, 58 pp.; 1905, July, 55-56.—Looss, 1901, 91; 1901, 191, 196; 1902m,

## FASCIOLIDÆ—Continued.

- 838.—Luehe, 1901, 486–488.—MacCallum, 1899, 707.—Pratt, 1902, 887, 893 (key) (includes Anisocellinæ, Bunoderinæ, Centrocestinæ, Cotylogonimainæ, Echinostominae, Fasciolinae, Haplometrinæ, Omphalometrinæ, Opisthorchiinæ, Philophthalminae, Plagiorchiniæ, Psilostominae, Reniferinæ, Anaporrhutinae, Brachycoeliinæ, Cephalogoniminae, Dicrocoeliinæ, Clinostominae, Gorgoderinæ, Harmostominae, Microphallinae, Pleurogenetinae, Hermiurinae, Syncelliinæ, Telorchiniæ, Urogeniminae, Zoogoninae).—Roger, 1901, 94.—Shipley, 1905, v. 6, 4.—Stiles, 1898a, 22, 27, 28; 1901, 191, 192, 195; 1904i, 10–11, 12–45, figs. (of man).—Stiles & Hass., 1898a, 81–89 (type Fasciola; superspecific inventory).—Ward, 1903, 863, 864, 865.
- FASCIOLINÆ Stiles & Hass., 1898a, 86, 90, 95, 96 (subf. of Fasciolidæ).—Looss, 1899b, 543, 556, 560, 561, 626; 1901, 196; 1902m, 839.—Luehe, 1900, 562; 1901, 486; 1901, 175.—Odhn., 1905, 339, 344, 346, 347.—Pratt, 1902, 887 (includes Campula, Fasc., Fasciolopsis; related genera: Paragonimus, Pleorchis).—Stiles, 1898a, 22, 28.—Ward, 1903, 867.
- FASCIOLOPIS Odhn., 1902, 581, misprint for Fasciolopsis.
- buski* (R. Bl., 1888) Odhn., 1902, 581.
- FASCIOLOPSIS Looss, 1899b, Dec., 557, 561 (tld. *buskii*), includes *crassa* Busk. jacksoni (Cobbold, 1903, 3, ed., 153; 1906, 158.—Odhn., 1905, 339, 344, 346.—Pratt, 1902, 887, 893.—Stiles, 1904i, 39–40.—Ward, 1903, 866.
- 1902: Fasciolopsis Odhn., 1902, 581, misprint.
- buski* (R. Bl., 1888) Odhn., 1902, 573–581, figs. 1–3. See *buskii*.
- buskii* (Lankester, 1857) Stiles, 1901, 1542; 1904i, 41–42, figs. 63–66 (in Homo).—Braun, 1903, 3, ed., 153–154, fig. 99 (in Homo); 1906, 159, fig. 90 (*buski*) (syns. Dist. *buski* and *D. crassum*).—Conyngham, 1904 (IX, 17), 663.—Looss, 1905, 110, fig. 16; 1907, Feb. 1, 123 (*buski*) (from Hongkong).—Moore & Ferril, 1905a, Sept. 30, 1002–1003, figs. 1–7; 1905b, 8 pp., figs. 1–7 (in U. S.).—Ward, 1903, 864, 867; 1903, 704.
- crassa* (Cobbold, 1860) Looss, 1899b, 557.
- jacksoni* (Cobbold, 1869) Looss, 1899b, 557.
- rathouisi* (Poir., 1887) Ward, 1903, 864, 867; 1903, 704.—Looss, 1905, 111, fig. 17.—Stiles, 1904i, 42–43, fig. 67.
- FELLODISTOMUM Staff., 1904, May 3, 486 (m. incisum).—Odhn., 1905, 310.
- incisum* (Rud., 1809) Staff., 1904, 486 (in *Anarrhichas lupus*).
- FESTUCARIA Schrank, 1788, Gattung 9, 16–17 (type by elimination *anatis*, see Luehe, 1901; also type by first species rule); 1803, 185.—Blainv., 1824a, 512 (“genre adopté de Schrank pour le Distoma trigonocephalum, qui paraît n’être qu’une espèce de monostome”), 518 (“ce sont les monostomes cylindriques et à bouche terminale de M. Rudolphi”).—Brand., 1888a, 8.—Braun, 1893a, 884, 894.—Cuv., 1817, 40.—Dies., 1850a, 307 (syn. of Hemist.), 312 (syn. of Holost.), 319 (syn. of Monost.), 400 (of Zed., syn. of Amphist.), 411 (syn. of Notocotyle).—Hémont, 1827, 9.—Knoch, 1862, 30.—Lamouroux, 1822a, 194.—Looss, 1901, 193; 1902m, 746, 755.—Luehe, 1901p, 174, 175 (type *anatis*).—Rafinesque, 1815, 151 (renamed *Monostomeus*).—Rud., 1801a, 50, 54; 1809a, 21.
- alata* (Gæze, 1782) Schrank, 1790, 118; 1803, 208–209.—Brand., 1888a, 60 (to Hemist.).—Dies., 1850a, 308 (to Hemist.).—Lamouroux, 1822a, 194.—Rud., 1809a, 402, 403 (to Dist.).
- anatis* Schrank, 1788, 16, based on Gæze, 1782a, 174, pl. 13, figs. 8–11 (in Enten).—Dies., 1850a, 383 (syn. of *D. echinatum*).—Luehe, 1901p, 175 (type of *Festucaria* by elimination), species unidentifiable, possibly *Echinost. echinatum*.—Rud., 1809a, 418.
- boschadisi* Schrank, 1790, 122–123 (in *Anas boschas sylvestris*, A. b. dom.); 1796, 332, pl. 5, figs. 16–17; 1803, 207–208.—Dies., 1850a, 383 (syn. of *D. echinatum*).—Looss, 1899b, 680.—Rud., 1809a, 418, 419.
- caryophyllacea* Rud., 1810a, 353 (misprint for *caryophyllina*).
- caryophyllina* Rud., 1802a, 66–67, pl. 1, fig. 3 (in *Gasterosteus aculeatus*); 1809a, 325.—Dies., 1850a, 328 (to Monost.).—Rail., 1893, 339 (to Monost.).
- cerri* Zed., (1790), 65–74, pl. 3, figs. 8–11 (in Hirsch).—Dies., 1836, 246; 1850a, 401 (syn. of Amphist. conicum).—Fischder., 1901, 368 (to *Paramphist.*); 1902, 11 (to *Paramphist.* as type); 1903h, 504, 506 (of the Hirsch, Vormagen).—Looss, 1896b, 32 (to Amphist.).—Rud., 1809a, 350.—Stiles, 1898a, 64.—Ward, 1895, 256 (syn. of Amphist. conicum), 332 (in *Bos taurus*), 335 (in *Ovis aries*).

## FESTUCARIA—Continued.

- cyprinacea* Schrank, 1790, 122 (in *Cyprinus barbus*): 1803, 207.—Dies., 1850a, 329 (syn. of *Monost. cochleariforme*).—Nord., 1840, 624 (syn. of *Monost. cochl.*).—Rud., 1809a, 326 (renamed *M. cochl.*), 410.
- lentis* (Geschmidt, 1833) Moquin-Tandon, 1860, 349; 1861, 375; 1862, —.—R. Bl., 1888a, 542. (to *Monost.*).—Stiles, 1902s, 25, 28.—Ward, 1895, 328.
- oti* Rud., 1819a, 354 (*F. otidis* Frølich, 1802, renamed).
- otidis* Frølich, 1802, 53–54 (changed to *oti* Rud., 1819, 354) (in *Strix otus*).—Rud., 1814a, 99–100.—Baird, 1853a, 47 (= *Holost. macrocephalum* Blainv.).
- pedata* Schrank, (1769), 335–340 (in *Anas querquedula*): 1803, 208 (includes *F. anatis* Schrank, 1788).—Baird, 1853a, 45 (= *Monost. verrucosum*).—Ben., 1858a, 1861a, 78 (syn. of *Monost. verr.*).—Dies., 1839, 234; 1850a, 411 (syn. of *Notocotyle triseriale*).—Odhn., 1905, 366 (syn. of *Catantropis verrucosa*).—Rud., 1809a, 331.
- pileata* Rud., 1802a, 65–66 (in *Sterna hirundo*: 1809a, 338 (to *Monost.*).—Dies., 1850a, 314 (to *Holost.*).
- strigis* Schrank, 1788, 16–17 based on Goeze, 1782a, 174, pl. 14, figs. 4–6 (in *Weidencule*).—Baird, 1853a, 47 (= *Holost. macrocephalum*).—Dies., 1850a, 312 (syn. of *Holost. variabile* Nitzsch).—Frølich, 1802, 51–52.—Linst., 1905, 191.—Luehe, 1901, 175.—Rud., 1809a, 340 (syn. of *Amphist. macrocephalum*): 1814a, 99.—Type of *Strigea*, 1790.
- ventricosa* Rud., 1803, 20–21 (in *Nachtigall*): 1809a, 335 (to *Monost.*): 1819a, 86 (in *Motacilla lusciniæ*; Greifswald, May).—Dies., 1850a, 328 (to *Monost.*).

FESTUCARIOCREATA Rud., 1802, 67 (apparently lapsus for *Festucaria ocreata*).

FLUKES (vernacular name for Trematoda, esp. for *Fasciola hepatica*) Cobbold, 1883, 514–515.—Dugmore, 1895a, 491.—Feuerheerd, 1896a, 272–273 (life history).—Hahn & Lefevre, 1884a, 515–549 (doutes).—Johnson's New Univ. Cycl., N. Y., 1876, v. 2, 176.—Kuech., 1890, 186 (mode of alimentation).—Tyson, 1903, 3. ed., 1180–1181 (of liver).—Veterinarian, Lond., 1880, June, 397.

FRIDERICIANELLA Brand., 1894a, 305–311 (m. *ovicola*).—Maclaren, 1904, 583.—Mont., 1903, 336 (subf. *Calceostominae*): 1905, 65.—St. Remy, 1898, 524, 564.

*ovicola* Brand., 1894a, 303–310, pl. 19, figs. 1–4 (in *Arius commersonii* Lac.: Rio Grande do Sul, Brazil).—Bettend., 1897a, 16; 1897, 320.—Goto, 1899, 290.—Maclaren, 1904, 597.—St. Remy, 1898, 565, fig. 5.

FURCOCERCA Lamarck, 1815, 446–448 (type?).—Braun, 1892a, 767; 1893a, 884.—Nitzsch, 1827, 66.—Pag., 1857, 5.—Bory de St. Vincent, 1823a, 355; 1825a, 83–84.

*catellina* (Mueller, 1786) Lamarck, 1815, 448.

*catellus* (Mueller, 1773) Lamarck, 1815, 448.

*crumena* (Mueller, 1786) Lamarck, 1815, 447–448.

*luna* (Mueller, 1786) Lamarck, 1815, 448.

*lupus* (Mueller, 1773) Lamarck, 1815, 448, based on Mueller, —, pl. 20, figs. 14–17.

*orbis* (Mueller, 1786) Lamarck, 1815, 448.

*podura* (Mueller, 1773) Lamarck, 1815, 447, based on Mueller, pl. 19, figs. 1–5.—Bory de St. Vincent, 1825a, 84 (syn. *Cerc. podura* Mueller).

*serrata* Bory de St. Vincent, 1825a, 84 (syns. *Furcularia furcata* Lamarck, *Vorticella furcata* Mueller) (in infusion de foin).

*trilobata* Bory de St. Vincent, 1825a, 84 (in infusions d'écorce de chêne).

*viridis* (Mueller, 1774) Lamarck, 1815, 447.

[*cercarie* Wagener], see Dies., 1858d, 276 (*furcocercæ cercarie* Wagener, syn. of *Bucephalopsis aculeatus* Dies.).

## FURCULARIA

*furcata* (Mueller, 1786) Lamarck, 1816, 39.—Bory de St. Vincent, 1825a, 84 (syn. *Furcocerca serrata*).

GALACTOSOMUM Looss, 1899b, 671 (m. *lacteum*) subf. *Haplorchiniæ*: 1902m, 512.—Pratt, 1902, 890, 910.

*lacteum* (Jägers., 1896) Looss [1899, 671]: 1902m, 512 (type).

GANEO Klein, 1905, June 9, 72 (m. *glottoides*: *ganeco*, der Prasser, Schwelger.

*glottoides* Klein, 1905, June 9, 72–78, pl. 5, figs. 6–8 (in *Rana hexadactyla*, intestine); 1905, 14–20, figs. 6–8.



## GASTERODISCINÆ Mont.

GASTEROSTOMA Mont., 1888a, 84, see *Gasterostomum*.

GASTEROSTOMATA Odhn., 1905, 295-296.

GASTEROSTOMATIDÆ Gamb., 1896a, 73.

GASTEROSTOMIDÆ Braun, 1883a, 59; 1893a, 887, 895, 900, 912; 1895b, 136  
 Hoyle, 1890, 539.—Jackson, 1888, 654, includes *Gasterost.*, (Bucephal  
 larval form).—Looss, 1899b, 541, 543; 1901, 196.—Luehe, 1901, 488.—Mont.  
 1888, 14, 52, 92, 105.—Odhn., 1905, 296.—Par., 1887, 335.—Pratt, 19  
 890 (*Gasterost.*).—Schneidemuehl, 1896, 295.—Sieb., —.

GASTEROSTOMIDES R. Bl., 1888a, 541 (embraced in *Distomiens*).

GASTEROSTOMINÆ Mont., 1892, Oct. 7, 214 (subf. of *Distomidæ*).—Braun, 189  
 890.—Looss, 1899b, 541.—Mueh., 1898, 30.—Stoss., 1898, 59.

GASTEROSTOMUM Sieb., 1848, 112, 129, 138 (m. *fimbriatum*); 1854, 20.—Ben., 187  
 142.—Bettend., 1897a, 15; 1897, 319.—Biehinger, 1888a, 231, 232, 233  
 Brand., 1891d, 12; 1892, 507.—Braun, 1890a, 520; 1890b, 127; 1892a, 568, 5  
 583, 586, 589, 603, 605, 608, 614, 629, 635, 336, 640, 641, 644, 659, 660, 671, 6  
 673, 682, 683, 696, 700, 704, 708, 709, 711, 713, 715, 718, 721, 726, 727, 732, 7  
 757, 760, 773, 806, 807; 1893a, 823, 834, 867, 872, 879, 886, 887, 890, 895, 8  
 913, 916, 918; 1895b, 121, 125, 136; 1899, 3.—Carus, 1863, 479.—Dies., 188  
 313, 360-361 (mentions only *fimbriatum*); 1859c, 436-437.—Fil., 1855b, 2  
 Gamb., 1896, 73.—Hoyle, 1890, 539 (8 sp. in fish, larva *Bucephalus*), 540  
 Jackson, 1888, 642, 644, 648, 651 (= *Bucephalus*), 654.—Kath., 1894a, 13  
 Lacaze Duthiers, 1854a, 295, 301.—Leuck., 1863, 474, 477, 503, 524.—Li  
 1905, 327 (*Bucephalus haimeanus*).—Looss, 1893b, 819; 1894a, 105, 158, 1  
 191, 202, 203.—Mont., 1888a, 7, 10, 11, 12, 15, 33, 34, 38, 43, 46, 60, 77, 79  
 (*Gasterost.*), 92, 105; 1891, 110; 1892, Oct. 7, 214 (g. of *Gasterostomine*); 1  
 3, 9, 28, 95, 147.—Moul., 1856a, 12, 175, 178.—Odhn., 1905, 296 (type *fimb*  
*tum*), 297, 307.—Poche, 1907, 125.—Pratt, 1900, 647; 1902, 890, 891, 900  
 Schneidemuehl, 1896, 295.—Spengel, 1905, 258.—Sinitzin, 1906, 688.—St  
 1898, 59.—Tennent, 1906, 639 (in *Cyclopterus lumpus*).—Wagener, 1852, 5  
 567, figs. 2-3.—Wallenstedt, 1847, 7.—Wolf, 1903, 615, 617.—Ziegler, 18  
 36.—Cf. *Bucephalus*.

*arcuatum* Lint., 1900, 277, 278, 297-298, pl. 41, figs 85-90 (in *Sarda sarda*; W  
 Ille); 1901, 416 (in *Sarda sarda*, *Carcharinus obscurus*), 427, 446, 447; 1  
 329, 335, 363, 365, fig. 235 (in *Caranx hippos*, *Scomberomorus regalis*).—T  
 nent, 1906, 640 (in *Car. obs.*).

*armatum* Mol., 1859, 291 (t. h. *Conger conger*; Padua); 1859, 820; 1861, 224-  
 pl. 4, figs. 4-5, pl. 6, figs. 1, 3.—Braun, 1892a, 752; 1893a, 913.—Dies., 18  
 436.—Levin., 1881a, 64, 76-78 (in *Cottus scorpius*; *Egedesminde*) [see below  
 Mont., 1893, 95.—Odhn., 1905, 305 (of Mol., 1861, syn. of *Prosorhynchus cr*  
*bulum* Rud.), 307; 1905, 297, 298 (syn. of *Pros. squamatus*).—Staff., 1  
 May 3, 488 (in *Acanthocottus scorpius*, *Brosimius brosmie*, *Hemitripterus an*  
*canus*, *Hippoglossus hippoglossus*).—Stoss., 1885, 161; 1898, 60.—Tenn  
 1906, 639, 640, 669, 679 (in *Conger conger*).—Ziegler, 1883, 538 to (*Rhipid*  
*tylæ?*), 539 (syn. of *G. crucibulum* Gerv. & Ben.), 548 (in *Conger conger*)

*armatum* of Olss., 1868, 56, pl. 5, figs. 107-108, and of Levin., 1881, 76, pl. 3, fig.  
 Odhn., 1905, 297, 298 (syn. of *Prosorhynchus squamatus*).

*baculum* Lint., 1905, 327, 329, 335, 362, figs. 233, 234 (in *Scomberomorus macula*  
 Beaufort, North Carolina), based on *Gasterost. sp.* Lint., 1901, 447, pl.  
 figs. 369-372.

*blanchardi* Stoss., 1898, 61 (in *Labrax lupus*; Trieste).

*clupea* Ben., 1870, 67 (in *Clupea sprattus*; Belgium).—Braun, 1893a, 913.—T  
 nent, 1906, 639 (in *Cl. spr.*).—Ziegler, 1883, 539 (in *Cl. spr.*).

*crucibulum* (Rud., 1819) Gerv. & Ben., 1859b, 207; 1870, 82, pl. 3, fig. 18.—Br  
 1892a, 784, 789; 1893a, 913.—Dies., 1859c, 425 (to *Monost.*)—Linst., 18  
 272 (in *Conger cassinii*).—Mont., 1893, 95.—Odhn., 1905, 305 (of Ben., 1  
 syn. of *Prosorhynchus aculeatus*; of (Rud.) Olss., syn. of *Pros. crucibulum*  
 Stoss., 1892, 66; 1898, 60-61 (in *Conger vulgaris*; Trieste).—Tennent, 1  
 639, 640, 679.—Ziegler, 1883, 539, 548 (syn. of *G. armatum* Mol.), 563.

*fimbriatum* Mol., 1859, 819-821, pl. 2, fig. 1 (t. h. *Anguilla vulgaris*; Padua  
 Braun, 1892a, 575, 595, 599, 673, 709, 712, 717, 718, 784; 1893a, 866, 871, 91  
 Buttel-Reepen, 1902, 215.—Cobbold, 1879b, 462.—Gamb., 1896, 72.—M  
 dox, 1867, 97.

## GASTEROSTOMUM—Continued.

- fimbriatum* Sieb., 1848, v. 1, 129 (in *Perca fluviatilis*, Lucioperca; [Europe]) as possible adult of *Bucephalus polymorphus*.—Badcock, 1875a, 145 (in *Perca fluviatilis*, Lucioperca, carp; larva *Bucephalus polymorphus*.—Biehringer, 1888a, 230.—Brand., 1891d, 7.—Braun, 1892a, 575, 595, 599, 673, 709, 712, 717, 718, 784; 1893a, 866, 871, 913.—Dies., 1858e, 361 (in *Lucioperca sandra*, *Perca fluviatilis*, *Esox lucius*); 1859c, 435, 436 (cf. *Dist. campanula* Duj.).—Giard, 1874e, 487.—Haarlem, —, v. 9, 89; —, v. 13, 103, pl. 24, figs. 1–7.—Hausmann, 1896a, 392 (in *Luc. sandra*); 1897b, 4, 6, 20, 22, 34–35, pl. 1, figs. 6–8 (in *Luc. sandra*).—Juel, 1889, 12, 36.—Kowal., 1894, 4; 1894, 221.—Linst., 1878a, 208 (in *Perca fluviatilis*); 1878, 230.—Looss, 1885b, 11, 14; 1892a, 122; 1894a, 203, 205, 206, 207.—Mont., 1888a, 34.—Mueh., 1898, 30.—Odhn., 1905, 296 (type of genus), 300, 301, 303.—Olss., 1893, 12.—Par., 1887, 336.—Poche, 1907, 125.—Stoss., 1883, 119; 1898, 59–60 (in *Anguilla vulgaris*; Trieste).—Tennent, 1906, 637, 638, 641, 643, 665, 666, 677, 678, 682 (in *Perca*, *Lucioperca*).—Wagener, 1852, 565–567; 1857, 45, pl. 24, figs. 1–7; 1858, 250; 1860, 165 (syn. *Dist. campanula*).—Ziegler, 1883, 491; 1883, 537, 538, 539, 541–567, pl. 33, figs. 16, 18–22, 27, 28.—Also reported for *Abramis alburnus*, *Blicca bjoerkna*, *Blicopsis abramo-rutilus*, *Gobio fluviatilis*, *Leuciscus erythrophthalmus*, *Lota vulgaris*, *Squalius leuciscus*.
- gadorum* (Rathke, 1799) Linst., 1878a, 238 (in *Gadus morrhua*; *G. virens*).—Braun, 1893a, 871.
- galeatum* (Rud., 1819) Stoss., 1898, 62 (in *Lichia amia*; Trieste).
- gorgon* Lint., 1905, 327, 335, 364, figs. 240–242 (in *Seriola lalandi*; Beaufort, North Carolina).
- graciliscens* (Rud., 1819) Wagener, 1852, 563, pl. 16, fig. 3.—Braun, 1892a, 673; 1893a, 866, 880, 913.—Cobbold, 1872b, 92; 1879b, 52, 462, fig. 78.—Dies., 1858e, 361 (to *Rhipidocotyle*) (in *Lophius piscatorius*).—Gamb., 1896, 72.—Hausmann, 1897b, 34.—Linst., 1878a, 223 (to *Rhipidocotyle*).—Lint., 1905, 327, 335, 353, 357, 360, 365, 370, 402, 410, 414, figs. 230–232, 236–239 (in *Caranx hippos*, *Menidia menidia*, *Opsanus tau*, *Paralichthys albiguttus*, *Pomatomus saltatrix*, *Spheroides maculatus*, *Stolephorus brownii*, *Tylosurus marinus*).—Maddox, 1867, 97.—Mol., 1859, 821 (*Loph. pisc.*; Padua).—Odhn., 1905, 296, 302, 303.—Sons., 1891, 258 (in *Loph. pisc.*).—Stoss., 1890, 44; 1898, 61–62 (in *Loph. pisc.*; Trieste).—Tennent, 1906, 637, 638, 640, 664, 666, 679, 682 (larva = *Bucephalus haimcanus*), pl. 40, fig. 40, pl. 41, figs. 44–50, 52, 53, pl. 42, figs. 54–58 (in *Loph. pisc.*).—Ziegler, 1883, 538, 539.—Also reported for *Gadus aeglefinus*, *G. minutus*, *Esox*, *Molva*.
- illense* Ziegler, 1883, 543 (in *Esox lucius*, *Leuciscus erythrophthalmus*; Strassburg).—Hausmann, 1896a, 392.
- laciniatum* Mol., 1859, 821 [apparently lapsus for *fimbriatum*].—Par., 1894, 167 (in *Anguilla vulgaris*; Padova, Trieste, Cagliari).
- minimum* Wagener, 1852, 558–563, fig. 2 (t. h. *Trigla microlepidota*).—Braun, 1889a, 356; 1892a, 599, 673; 1893a, 880, 913.—Dies., 1858e, 361, 362 (to *Rhipidocotyle*) (in *Tr. micr.*).—Odhn., 1905, 296.—Tennent, 1906, 637, 638 (in *Tr. micr.*).—Ziegler, 1883, 538, 548 (in *Tr. micr.*).
- minimum* Stoss., 1887, 96, pl. 10, fig. 41 (in *Labrax lupus*; Trieste); 1898, 61.—Hausmann, 1897b, 34.
- ovatum* Lint., 1900a, 269, 297 (in *Lobotes surinamensis*; Woods Hole, Mass.); 1901, 416, 457.—Tennent, 1906, 640, 679 (in *Lob. sur.*).
- pusillum* Staff., 1904, May 3, 494–495 (in *Stizostedion vitreum*; Canada).
- species Lint., 1901, 447. See *G. baculum*.
- species Lint., 1900, 269, 298, pl. 41, fig. 9.
- species Ben., 1870, 51.
- tergestinum* Stoss., 1883, 119–120, pl. 2, fig. 5 (in *Gobius niger*, *G. jozo*; Trieste); 1898, 61; 1901, 91–92 (3–4).—Braun, 1892a, 642; 1893a, 874, 913.—Mont., 1888, 14; 1893, 95.
- trigla* Ben., 1870, 30, pl. 3, fig. 15 (in *Trigla hirundo*; Belgium).—Braun, 1893a, 913.—Tennent, 1906, 639, 679 (in *Tr. gurnardus*).—Ziegler, 1883, 539 (in *Tr. gurn.*).
- viperæ* Ben., 1870, 26, pl. 3, fig. 17 (in *Trachinus vipera*; Belgium).—Braun, 1892a, 568; 1893a, 913.—Tennent, 1906, 639, 640 (in *Tr. vip. Cuv.*).—Ziegler, 1883, 539 (in *Tr. vip.*).
- vivæ* Ben., 1870, 25 (in *Trachinus draco*; Belgium).—Braun, 1893a, 913.—Odhn., 1905, 296.—Tennent, 1906, 639 (in *Tr. dr.*).—Ziegler, 1883, 539 (in *Tr. dr. L.*).

- GASTROCOTYLE** Ben. & Hesse, 1863; 1864, 96, 117-118 (m. *trachuri*).—Braun, 1890a, 414, 498, 511, 517, 523, 540, 541, 546; 1893a, 890.—Cerf., 1895h, 918; 1896, 514; 1899a, 391.—Cunningham, 1887a, 279.—Gamb., 1896, 73.—Hoyle, 1890, 539.—Mont., 1888a, 8, 11, 13, 66, 86, 89, 101; 1892, Oct. 7, 213 (gen. of Microcotylinae); 1903, 336 (subf. Axiniinae).—Pratt, 1900, 646, 653, 654, fig. 42.—Tasch., 1879, 69; 1879, 257-258.—Will.-Suhm, 1870, 9, 11.
- trachuri* Ben. & Hesse, 1863, 118; 1864, 118, pl. 13, figs. 1-8 (in *Caranx trachurus*).—Braun, 1890a, 407, 414, 541, 549 (in Car. tr.; Atlantic Ocean. Mittelmeer), 550.—Par., 1894, 595.—Par. & Perugia, 1890, 8.—Pratt, 1900, 657, fig. 42.—Tasch., 1879, 258 (in Car. tr.).—Will.-Suhm, 1870, 10.
- GASTRODISCINE** Mont., 1892, Oct. 7, 214 (subf. of Amphistomidae).—Braun, 1893a, 890.—Looss, 1899b, 541.
- GASTRODISCUS** Leuck., in Cobbold, 1877c, 233-239 (m. *sonsinoi*); 1877f, 326.—Braun, 1892a, 569, 581, 603, 614, 645, 669, 677, 682, 683, 688, 696, 699, 705, 715, 716; 1893a, 879, 886, 890, 892, 895, 904, 906, 918; 1895b, 136; 1903, 3 ed., 146.—Cobbold, 1877f, 326.—Cousin, 1885a, 426.—Fischder., 1901, 374; 1902a, 7, 46; 1903h, 488, 489 (m. *polymastos*) (in horses; Egypt).—Gamb., 1896a, 73.—Hoyle, 1890, 539.—Jackson, 1888, 642, 644, 654.—Looss, 1894, 24; 1895, 11; 1896b, 13, 14, 18, 151, 173, 178, 184, 188; 1899b, 541, 770; 1902m, 440, 442, 638, 676. Mont., 1888a, 8, 12, 15, 26, 27, 34, 35, 41, 42, 52, 53, 54, 56, 57, 91, 103; 1892, Oct. 7, 214 (gen. of Gastrodiscinae).—Piana & Stazzi, 1900, 523.—Poir., 1883, 79.—Pratt, 1902, 887, 892.—Schneidemuehl, 1896, 295 (Gastrodiscus).—Shipley, 1905, v. 6 (1), 4, 8.—Sons., 1895, Aug.-Sept., 179, 180, 181, 183, 184, 185, 186, 1 pl., figs. 1-7.—Ward, 1903, 865 (in horses and cattle in Egypt; one (*G. hominis*) in man).
- 1883: *Gasterodiscus* Ziegler, 1883, 545.
- 1896: *Gastrodiscus* Schneidemuehl, 1896, 295.
- 1898: *Gastrodiscus* Kowal., 1898h, 158, misprint.
- agyptiacus* (Cobbold, 1876) Rail., 1893, 379 (syns. Hemist. sp. Sons., 1876; Diplost. aegyptiacum Cobbold, 1876; Cotylegaster cochleariforme Sieb., 1877; *G. sonsinoi* Cobbold, 1877; *G. polymastos* Lkt., 1880).—Bettend., 1897a, 38; 1897, 342.—Brand., 1898a, 205 (13).—Fischder., 1902a, 46 (syn. of *G. polymastos* Leuck.); 1903h, 494, 497.—Gronkowski, 1902a, 514, 520 (7, 13).—Kowal., 1898h, 158 (55) (*Gasterodiscus*).—Looss, 1896, 13-32, 149, 177-185, pl. 1, figs. 4-8, pl. 2, figs. 9-15, pl. 11, fig. 115, pl. 12, figs. 122-124, pl. 13, figs. 135-139 (syns. *G. polymastos*, *G. sonsinoi*, Hemist. sp., Diplost. aegyptiacum); 1907, Feb. 1, 134.—Moore, 1898, July 15, 531; 1897, 183.—Sons., 1895, 180, 181, 183, 184, 187, fig. 3; 1896, 294, 298, 309, 310.—Ward, 1895, 338 (in *Equus caballus*).—Also reported for *Equus asinus*, *E. mulus*.
- hominis* (Lewis & McConnell, 1876) Sons., 1896, 298.—Braun, 1903, 3 ed., 146-147, fig. 91; 1906, 149, fig. 82 (syn. Amphist. hominis).—Conyngham, 1904, IX, 17, 663.—Fischder., 1901, 374; 1902a, 46-47 (in Homo; India).—Looss, 1905, 110.—Shipley, 1905, v. 6 (1), 4 (thinks *Equus* is probably normal host).—Stephens, 1903, Feb., 7-12, figs. 1-4.—Ward, 1903, 704; 1903, 864 (in man), 865.
- polymastos* Leuck., 1880 (in *Equus caballus*; Egypt).—Brand., 1898a, 205, 214 (13, 23).—Braun, 1892a, 568, 580, 591, 593, 602, 605, 607, 608, 638, 640, 645, 646, 649, 654, 657, 661, 662, 663, 688, 703, 717, 733; 1893a, 874, 906; 1893d, 466.—Collin, 1891a, 86 (syn. of *G. sonsinoi*).—Fischder., 1901, 374; 1902a, 46 (syns. Diplost. aegyptiacum Cobbold, *G. aegyptiacus* Looss, *G. sonsinoi* Cobbold) (in *Equus caballus*, *E. mulus*, *E. zebra*).—Gronkowski, 1902a, 514 (7).—Lejtenyi, 1880a, 125-146 (anatomy), pls. 1-3; 1881a, 22 pp., 3 pls.—Lingard, 1905, 50.—Looss, 1885a, 392, 397 (*Gasterodiscus*); 1885b, 5, 10 (*Gasterodiscus*); 1894a, 146, 237; 1896b, 13 (syn. of *G. aegyptiacus*).—Mont., 1888a, 15, 26, 60.—Rail., 1887, 406-408 (in Sénégal), 494.—Richard, 1896.—Schneidemuehl, 1896, 303 (*Gasterodiscus polymastos*).—Sons., 1895, 124 (syn. of *G. sonsinoi*).—Stephens, 1906, 9.—Ward, 1895, 338 (see *G. aegyptiacus* in *Equus caballus*).—Ziegler, 1883, 545 (*Gasterodiscus*).—Zuern, 1882, 222.
- secundus* Looss, 1907, Feb., 1, 134-136, figs. 3-4 (in mules; Assam).
- sonsinoi* Cobbold, 1877c, 233-239, 1 pl., 1 fig. (in *Equus*; Egypt), syn. Diplost. aegyptiacum (changed to *G. sonsinoi* Cobbold 1879b, 38, 359, fig. 62).—R. Bl., 1888a, 636. Braun, 1893a, 906 (*sonsinoi*); 1893b, 186 (*sonsinoi*); 1906, 149. Collin, 1891a, 86-88 (in zebra; Kataui Mbuga, Ostafrika).—Fischder., 1902a, 46 (*sonsinoi*) (syn. of *G. polymastos*); 1903h, 488 (*sonsinoi*).—Girard, 1880a, lxx-lxx (*sonsinoi*).—Lejtenyi, 1881a, 2 (*sonsinoi*).—Lingard,

## GASTRODISCUS—Continued.

- 1905, 50 (syn. *G. polymastos*).—Looss, 1896b, 13 (syn. of *G. aegyptiacus*).—Mégnin, 1880, Aug. 15, 782–784, figs. 1–2 (in horse); 1881, v. 2, 250–252, figs. 2.—Moore, 1897b, 167; 1897a, 183–184 (*sonsinoi*); 1897c; 1898a, 531.—Poir., 1883, 74 (*sonsinoni*).—Sons., 1895, 124 (syn. *G. polymastos*).—Theobald, 1900, 50.—Ward, 1895, 338 (in *Equus caballus*).
- sonsinoi* Girard, 1880a, lxviii, for *sonsinoii*.
- sonsinoni* Poir., 1883, 74, for *sonsinoii*.
- sonsinoii* Cobbold, 1879b, 359, 463, fig. 62, for *sonsinoii*.
- GASTRODISEUS Kowal., 1898h, 158 (55), for *Gastrodiscus*.
- aegyptiacus* (Cobbold, 1876) Kowal., 1898h, 158 (55).
- GASTRODISCUS Schneidemuehl, 1896, 295, 303, for *Gastrodiscus*.
- polymastus* Schneidemuehl, 1896, 303, for *polymastos*.
- GASTROTHYLAX Poir., 1883, 76–79; *γαστήρ*, stomach; *θύλαξ*, pocket, pouch; [type *crumenifer*].—Brand., 1891d, 17; 1898a, 193–225, pls. 8–9; 1898, 33 pp.—Braun, 1892a, 576, 663, 696, 699, 715, 720, 721, 739; 1893a, 879, 886, 890, 892, 895, 904, 907, 918; 1893d, 466; 1892, 49.—Darr, 1902, 651.—Fischder., 1901, 370; 1902a, 7, 26–27 (type *crumenifer*); 1903h, 488, 489, 491, 493, 496, 497, 498, 556 (diagnosis), 557 (type *crumenifer*), 557–591.—Gamb., 1896a, 73.—Gronkowski, 1902a, 515 (8).—Hoyle, 1890, 539.—Looss, 1894a, 146, 175; 1894, 17, 22, 24; 1896b, 5, 7, 8, 9, 31, 32, 171, 173, 176, 177, 178; 1898a, 459; 1899b, 541; 1902m, 638, 676.—Mont., 1888a, 7, 9, 12, 15, 52, 91, 103; 1892, Oct. 7, 214 (gen. of *Amphistominae*) (*Gastrotylax*); 1893, 27.—Pratt, 1902, 887, 892.—Shipley, 1905, v. 6 (1), 8.—Sons., 1895, 184, 185, 186.—Ssinitzin, 1906, 688.—Stiles, 1898a, 24.
- 1892: *Gastrotylax* Mont., 1892, 7 Oct., 214, misprint.
- aegyptiacus* Looss, 1898a, 459, apparently lapsus for *gregarius*.
- cobboldi* Fischder., 1901, 372 (for *cobboldii*); 1902a, 31, 32, 33 (in *Palonia frontalis*, Java; *Bos kerabau*, Ceylon; *B. taurus*, China); 1903h, 542, 575, 579–583, figs. M. 63–66 (from Ceylon in *Bos kerabau*, from China in *Bos taurus*), 585, 586, 587, 588, 589, 591; 1904, 459, 463.
- cobboldii* Poir., 1883, 77–79, pl. 2, fig. 3 (in *Palonia frontalis*; Java).—Braun, 1892a, 568, 739; 1893a, 873, 907.—Fischder., 1901, 372; 1903h, 575, 579 (syn. of *G. cobboldi*).—Sons., 1895, 185.—Stiles, 1898a, 24, 67, 69, 139, fig. 63.—Also reported for *Bos frontalis*.
- compressus* Brand., 1898a, 197, 219–220, 222 (5, 27–28), pl. 9, figs. 9–11 (in *Bos indicus*; Vien. Mus.); 1898, 219–220.—Fischder., 1901, 371; 1902a, 28 (in *Bos taurus indicus*); 1903h, 560, 563–565, figs. 48–49 (in *Bos indicus*), 567.
- crumenifer* (Crep., 1847) Otto, 1896, 95–97, figs. 3, 16 (for *G. crumeniferum*).—Bettend., 1897a, 38; 1897, 342.—Brand., 1898a, 195, 197, 199, 201, 204, 216–219, 220, 221 (3, 5, 7, 9, 12, 24–27), pl. 9, figs. 1–8.—Fischder., 1901, 371; 1902a, 25, 27–28, 30 (in *Bos taurus indicus*, Calcutta; *Bos kerabau*, Ceylon); 1903h, 557 (type), 557–563, 564, 566, 567, 568, 570, 571, 572, 574, figs. II, 44–47 (in *Bos zebu*, *B. kerabau*).—Linst., 1906, 175 (in *Bos bubalus*).—Stiles, 1898a, 24, 67, 68, 69, 140, figs. 57–62.
- crumeniferum* (Crep., 1847) Poir., 1883, 77.—Braun, 1893a, 907.—Fischder., 1901, 371; 1903h, 557–563, figs. H, 44–47, 563, 564, 566, 567, 568, 570, 571, 572, 574 (syn. of *G. crumenifer*) (in *Bos zebu*, *B. kerabau*).—Linst., 1906, 175 (in *Bos bubalus*).—Rail., 1903a, 378.—Sons., 1896, 311.—Stiles, 1898a, 67.—Ward, 1895, 332 (in *Bos taurus*).
- elongatum* Poir., 1883, 76–77, pl. 2, fig. 2 (in *Palonia frontalis*; Java).—Braun, 1892a, 739; 1893a, 873, 907.—Fischder., 1903h, 574, 575 (syn. of *G. elongatus*) (in *P. front.*; Java).—Mont., 1888a, 7.—Sons., 1895, 185.—Stiles, 1898a, 24, 67, 70, 139, fig. 64.
- elongatus* [Poir., 1883, 73–79 (in *Palonia frontalis*; Java)].—Brand., 1898a, 197, 198, 204, 223–225 (5, 6, 31–33), pl. 8, figs. 1–14 (in *Anoa depressicornis*; Zool. Gart., Berlin).—Fischder., 1901, 372; 1902a, 30–31 (in *P. front.*; Java; *Anoa depr.*, *Bos sp.*, Africa; *Bos taurus*, China); 1903h, 451, 512, 542 (in *Bos taurus*, Canton Fu-mui, China), 574–579, 580, 581, 587, figs. I, 59–62 (in *P. front.*, *Bos kerabau*, *Anoa depr.*); 1904, 463.—Gronkowski, 1902a, 520 (13).—Mont., 1888a, 7.

## GASTROTHYLAX—Continued.

- gregarius* Looss, 1896b, 5-13, 170-177, pl. 1, figs. 1-3, pl. 11, fig. 116, pl. 12, figs. 119-121 (in Buffle; Alexandria, Egypt); 1898, 459; 1902m, 638.—Bettend., 1897a, 38; 1897, 342.—Brand., 1898a, 197, 198, 199, 222-223 (5, 6, 7, 30-31), pl. 9, figs. 12-16.—Fischder., 1901, 371; 1902a, 28 (in Egyptische Buffle); 1903b, 533; 1903h, 565-566, 584.—Kowal., 1898h, 158 (55).—Otto, 1896, 89-94, figs. 1-2, 11, 14, 15; 1896, 10-13.—Roosbach, 1906, 401.—Sons., 1896, 298, 311.—Stiles, 1898a, 24, 67, 71, 139, figs. 65, 66.
- mancupatus* Fischder., 1901, 371 (in African cattle); 1902a, 31-32, 33 (in *Bos taurus*; E. Africa); 1903h, 566, 584, 588, 589, 590, 591, figs. 67-71 (in *Bos taurus*, Dinka; Denjarinder, Afrika; *Bos taurus*, Africa, Nossi-Bé).
- minutus* Fischder., 1901, 372 (in Antelope sp., *Tragelaphus scriptus*, Kamerun); 1902a, 33-34; 1903h, 588-591, fig. N; 1904, 463.
- spatiosus* Brand., 1898a, 197, 220-221 (5, 28-29), pl. 8, figs. 15-16 (in *Bos taurus*, Dschidda, Arabian coast of Red Sea).—Fischder., 1901, 371; 1902a, 29, 31 (in *B. taurus*, Dschidda); 1903h, 566-570, 571, 581, 583 (in *B. taurus*). 584, 585, 586, figs. 50-54.
- synthes* Fischder., 1901, 371 (in *Bos kerabau*); 1902a, 29-30, 31 (in *B. ker.*; Ceylon); 1903h, 496, 539, 570-574, 575, 577, 578, 579, 580, 581, 584, 585, 586, figs. 55-58. J. K. (in *B. ker.*; Ceylon).
- GASTROTYLAX Mont., 1892, Oct. 7, 214 (gen. of Amphistominæ) (for Gastrothylax).
- GENARCHES Looss, 1902m, 732 (*Progonus* Looss, renamed; type *mülleri*).—Odhn., 1905, 364, 365, 366.
- mülleri* (Levin., 1881) [Looss, 1902m, 732] Odhn., 1905, 363, 365-366, pl. 4, figs. 8-9.
- GIRODACTYLIDÆ Sons., 1890, 175, for Gyrodactylidæ.
- GIRODACTYLIDÆ Mont., 1888, 8, 13, 15, for Gyrodactylidæ.
- GIRODACTYLUS Mont., 1888, 83, for Gyrodactylus.
- GLAPHYROSTOMIUM Pratt, 1902a, 889, misprint for Glaphyrostomum.
- GLAPHYROSTOMIUM Braun, 1901g, 942 (tod. *adharens*); 1902b, 129.—Pratt, 1902a, 889 (*Glaphyrostomium*), 907.
- 1902: *Glaphyrostomium* Pratt, 1902a, 889, misprint.
- adharens* Braun, 1901g, 942 (in *Mycothera* sp., *Gallinula kiolooides* Puch.; Brazil); 1902b, 130, 133.
- propinquum* Braun, 1901g, 942 (in *Dendrocalaptes scandens*; Brazil); 1902b, 132-133.
- GLENOCERCARIA Dies., 1858d, 244 (type?). [See p. 385.]
- flava* (La Valette, 1855) Dies., 1858d, 244-245 (includes *Cerc. ephemera* Sieb., *Histrionella* eph. Sieb., *Cerc. flava* La Valette (in *Planorbis corneus*; Berlin, Heidelberg); 1858e, 326, 327 (to *Monost.*)—Linst., 1873, 1 (young of *Monost. flavum* Mehlis).—See *Typhlocerium* 1902 (type).
- tophocerca* (Fil., 1857) Dies., 1858d, 245 (in *Paludina impura*; Turin).
- melanoglena* (Dies., 1855) Dies., 1858d, 245 (in salt water).
- GLOSSIDIUM Looss, 1899b, 591-592, 594 (tod. *pedatum*); ἡ γλῶσσα, tongue.—Braun, 1902b, 55.—Heymann, 1905, 93. Odhn., 1902, 40, 42.—Pratt, 1902, 888 (related to *Plagiocirchiinae*), 899.
- pedatum* Looss, 1899b, 592, 705-706, fig. 27 (in *Bagrus bayad*, B. doemac; Cairo).—Luehe, 1900, 561.
- GLOSSOCOTYLE Ben. & Hesse, 1863; 1864, 96, 102 (m. *alosa*).—Braun, 1890a, 414, 477, 516, 517, 522, 546.—Cerf., 1895h, 918, 920; 1896, 514, 515.—Mont., 1888, 11, 16, 86, 89, 99; 1903, 336 (syn. of *Octobothrium*).—Tasch., 1879, 239.
- alosa* Ben. & Hesse, 1863, 1864, 102-103, pl. 9, figs. 11-18 (in *Alosa vulgaris*).—Braun, 1890a, 408.—Tasch., 1879, 244 (to *Octobothrium*).
- finta* Mont., 1888, 13.
- GLYPHICEPHALUS Looss, 1901h, 620-621 (tod. *solidus*); 1902m, 570-571 (type *solidus*), 576, 583, 584, 586, 589, 591, 593, 594, 596, 599, 603, 609, 610, 611, 612, 616 (diagnosis).—Pratt, 1902, 890, 909.
- crassus* Looss, 1901h, 568, 620 (in *Thalassochelys corticata*; Egypt); 1902m, 575 (to *Epibathra* as type), 876.
- lobatus* Looss, 1901h, 619 (in *Chelone mydas*; Egypt); 1902m, 416, 417, 573-575, 576, 596, 876, 877, pl. 26, figs. 81-82, pl. 27, fig. 91.

## GLYPHICEPHALUS—Continued.

*solidus* Looss, 1901l, 7. Nov., 619 (in *Chelone mydas*: Egypt); 1902m, 571–573, 574, 587, 591, 616, 876, 877, 888, pl. 26, figs. 79, 80, pl. 27, figs. 92, 93, pl. 32, fig. 178.

GLYPTHELMINS Staff., 1905, Apr. 11, 686–687 (m. *quieta*): *γλυπτός*, carved; *ἐλμινς*, worm.

*quieta* (Staff., 1900) Staff., 1905, Apr. 11, 686 (in *Hyla pickeringii*, *Rana catesbiana*, *R. virescens*; Canada) (syn. *Opisthioglyphe endoloba* Duj. of Staff., 1900, 403).

GORGODERA Looss, 1899b, 551, 605–606 (tod. *cygnoides*); *γοργός*, motile; *ἡ δέρη*, neck; 1901b, 202; 1901l, 557, 558; 1902m, 478, 480 (includes: *cygnoides*, *amplicava*, *simplex*), 785, 797, 844, 848, 850, 851, 854, 856, 857, 858, 859, 860, fig. 1, 862 (Gorgoderinae, Gorgoderidae).—Braun, 1901b, 9.—Odhn., 1902, 65.—Osborn, 1903, 257.—Pratt, 1902, 888, 901.—Ssnitzin, 1906, 685.

*amplicava* Looss, 1899b, 606, 607 (‘‘D. *cygnoides* var. A’’ of Bensley, 1897, renamed); 1901b, 202, 209; 1902m, 480, 798, 837, 844, 854, 857.—Staff., 1902, 412, 419–421 (syn. D. *cygnoides* var. A of Bensley); 1905, Apr. 11, 687 (in urinary bladder of American frogs and toads).

*attenuata* Staff., 1902, 418–419 (in *Rana catesbiana*, *R. virescens*; Canada).—1905, to Gorgoderina.

*cygnoides* (Zed., 1800) Looss, 1899b, 606; 1901b, 202, 209; 1902m, 444 (Cerc. *macrocerca*), 480, 797, 798, 837, 844, 851, 854, 857, 862.—Kowal., 1902d, (9) 27 (Cerc. *macrocerca* in *Cyclas cornea*).—Luehe, 1901, 54.—Osborn, 1903, 257.—Ssnitzin, 1905, 33 (of Looss syn. of G. *loossi*).—Staff., 1905, Apr. 11, 687 (in urinary bladder of American frogs and toads).

*loossi* Ssnitzin, 1905, 33–34, pl. 3, figs. 30–31 (G. *cygnoides* of Looss, renamed); 1906, 682.

*opaca* Staff., 1902, 416–417 (in *Bufo lentiginosus*; America).

*pagenstecheri* Ssnitzin, 1905, 34–36, pl. 2, figs. 21–27 (*cygnoides* of Pag., renamed); 1906, 682, 683 [=Dist. *cygnoides* Zed. of Pag.].

*simplex* Looss, 1899b, 606, 607 (D. *cygnoides* var. B of Bensley, 1897, renamed); 1901b, 202, 209; 1902m, 480, 798, 844, 851 (type of Gorgoderina), 863.—Staff., 1902, 412, 417–418 (in *Rana catesbiana*; America).

*translucida* Staff., 1902, 413–416 (in *Bufo lentiginosus*, *Rana virescens*; America).—Osborn, 1903, 256, 257, 258.

*varsoviensis* Ssnitzin, 1905, 36–37, pl. 1, fig. 1, pl. 3, figs. 32–34; 1906, 682 (in frogs; Warschau).

*vitelliloba* (Ols., 1876) Ssnitzin, 1906, 682.

GORGODERIDÆ Looss, 1901, 558; 1902m, 485, 785, 810, 824, 843–866, 844 (diagnosis), 857 (includes Gorgoderinae, Anaporrhutinae).—Ssnitzin, 1906, 682 (of frogs).

GORGODERINA Looss, 1902m, 851 (tod. *simplex*), 857 (Gorgoderidae, Gorgoderinae), 858, 859, 860, 862<sup>1</sup>, fig. 2.—Ssnitzin, 1906, 685 (in fish).—Staff., 1905, Apr. 11, 687.

*attenuata* (Staff., 1902) Staff., 1905, Apr. 11, 687 (American toads and frogs).

*opaca* (Staff., 1902) Staff., 1905, Apr. 11, 687 (in American frogs and toads).

*simplex* (Looss, 1899) Looss, 1902m, 857, 862, 863.—Staff., 1905, Apr. 11, 687 (American frogs and toads).

*translucida* (Staff., 1902) Staff., 1905, Apr. 11, 687 (in American frogs and toads).

*vitelliloba* (Ols., 1876) Looss, 1902m, 857, as doubtful member of genus.—Ssnitzin, 1905, 37, pl. 1, fig. 2, pl. 3, figs. 35–37; 1906, 685.

GORGODERINÆ Looss, 1899b, 604; 1901b, 202; 1901l, 558; 1902m, 478, 480, 485, 797, 844, 857 (includes: Gorgodera, Gorgoderina, Phyllodist., Catoptroides), 863 (diagnosis).—Braun, 1901b, 9.—Luehe, 1901, 488.—Odhn., 1902, 65, 67.—Pratt, 1902, 888 (Phyllodist., Gorgodera).

GRUBEA Dies., 1858c, 315, 385 (m. cochlear); 1859c, 444 (syn. *Pleurocotylus* Gerv. & Ben.).—Braun, 1890a, 518.—Mont., 1888, 84.—Tasch., 1879, 248 (syn. of *Pleurocotyle*).

*cochlear* Dies., 1858c, 385 (in *Scomber scombrus*).—Hoyle, 1890, 539.—Tasch., 1878, 575; 1879, 248 (syn. of *Pleurocotyle scombri*).

*scombri* (Grube, 1855) Ben. & Hesse, 1864, 100 (to *Pleurocotyle*).

- (GYMNOCEPHALA) Leidy, 1877, 201 (as subg. of Dist.) [not *Gymnocephalus* Bloch, Schneider, 1801, fish; Geoffroy, 1809, birds]. Apparently for *Cerc.* (*Gymnocephala*) Dies., 1858, 246.
- ascoides* Leidy, 1877, 201 (in *Planorbis parvus*).
- (GYMNOCEPHALA) Dies., 1858d, 246, (type?) as subg. of *Cercaria*.
- agilis* (Fil., 1857).—Dies., 1858d, 248–249 (in *Lymnæus stagnalis*; Turin).
- brunnea* (Dies., 1850) Dies., 1858d, 247 (in *Lymnæus stagnalis*).—See *Dist. echinatum*.
- coronata* (Fil., 1855) Dies., 1858d, 249, 250.
- fallax* (Dies., 1850) Dies., 1858d, 247–248, 262 (in *Lymnæus stagnalis*, *Paludina vivipara*).—See *Dist. militare*.
- minuta* (Nitzsch, 1817) Dies., 1858d, 246 (in various fresh-water mollusks; Halle).
- proxima* (Lespès, 1857) Dies., 1858d, 249–250.
- renalis* (Fil., 1855) Dies., 1858d, 265–266 (in *Helix adspersa*; Turin).
- sagittata* [Lespès, 1857] Dies., 1858d, 249 (in *Buccinum* (*Nassa*) *reticulatum*).
- setifera* (Mueller, 1850) Dies., 1858d, 250–251 (in sea; Triest).
- tuberculata* (Fil., 1857) Dies., 1858d, 248 (in *Paludina impura*; Turin).
- GYMNOCEPHALÆ Dies., 1858d, 246, see *Gymnocephala*.
- GYMNOPHALLINÆ Odhn., 1905, 314.
- GYMNOPIALLUS Odhn., 1900, 12–23 (tod. *deliciosus*); 1905, 312, 313, 314.—Looss, 1901b, 200; 1902m, 839.—Luehe, 1900, 505, 506; 1901, 488; 1904, 79–82.—Marshall & Gilbert, 1905, 479.—Pratt, 1902, 889, 902. Ward, 1901, 177.
- bursicola* Odhn., 1900, 14, 20–21, 22, fig. 4 (in *Somateria mollissima*; west coast of Sweden); 1905, 312, 313 (includes *Levithodendrium somateriæ* c. p. of Jameson).
- choledochus* Odhn., 1900, 14, 18–19, 22, fig. 3 (in *Vulpanser tadorna*; loc.?): 1905, 312, 313–314 (in *Somateria mollissima* at Eistfjord, W. Spitzbergen, and S. spectabilis at Franz-Joseph's Fjord, Greenland).
- deliciosus* (Olss., 1893) Odhn., 1900, 14–17, 18, 19, 20, 21, 22, figs. 1–2 (in *Larus argentatus*, *L. canus*, *L. fuscus*); 1905, 311 (in *Larus glaucus*, *L. marinus*).
- micropharyngicus* (Luehe, 1898) Odhn., 1900, 14, 17, 22.—Luehe, 1900, 505; 1901, 57.
- somateria* (Levin., 1881) Odhn., 1900, 14, 19–20, 21, 22; 1905, 311–313, pl. 2, fig. 8 (in *Somateria mollissima*, *S. spectabilis*).
- GYNÆOPHORA Weinland, 1858, 87 (family name); 1859, 281.—Stiles & Hass., 1898a, 90, 94.
- GYNÆOPHORUS Dies., 1858c, 312, 356 (type *hæmatobius*).—Braun, 1893a, 880, 885, 894, 912; 1903, 3, ed., 168 (syn. of *Schistosomum*).—Cobbold, 1879b, 39; 1885a, 498 (syn. of *Bilharzia*).—Dunlison, 1893, 502.—Hoyle, 1890, 539 (= *Bilharzia*).—Huber, 1896a, 580 (syn. of *Bilharzia*).—Leuck., 1863, 617.—Mont., 1888, 92.—Rail., 1893a, 371.—Simon, 1897, 99.—Stiles & Hass., 1898a, 90, 93, 94.—Stoss., 1892, 4, 5.—Ward, 1895, 253.
- bovis* (Sons., 1876) Rail., 1893, 375.—Dolley.—Stiles, 1898a, 60.
- crassus* (Sons., 1888) Stoss., 1892, 6 (syn. *Bilharzia bovis*) (in *Bos taurus aegyptus*, *Ovis aries*).—Rail., 1893a, 375.—Stiles, 1898a, 60.—Ward, 1895, 332 (in *B. taurus*), 335 (in *O. aries*).
- hæmatobius* (Bilharz, 1853) Dies., 1858c, 356–357 (in *Homo*); 1859c, 480.—Aitken, 1866, 804, 840; 1872, 205 (to *Bilharzia*).—R. Bl., 1888a, 636.—Cobbold, 1866a, 6.—Harley, 1864a, 62 (to *Dist.*).—Huber, 1894, 298.—Rail., 1892, 161–164 (embryo); 1893a, 371.—Stiles, 1898a, 58.—Stoss., 1892, 5–6 (in *Homo*; Egitto, Nubia, Tunisia, Natale, Capo, Costa d'oro, Arabia; *Cercopithecus fuliginosus* in Africa).—Ward, 1895, 253, 256, 328 (in *Homo*), fig. 7; 1903, 872.
- magnus* (Cobbold, 1859) Stoss., 1892, 6 (syn. *Bilharzia magna*) (in *Cercopithecus fuliginosus*; Africa).—Braun, 1901c, 311.
- GYRADACTYLIDÆ Mont., 1888a, 66, 107, see *Gyrodactylidæ*.
- GYROCOTYLE Dies., 1850a, 408 (m. *rugosa*); 1859a, 492; 1859c, 447.—Mont., 1889c, 228–230 (*Amphiptyches* G. & W.); 1890b, 327–329; 1896, 153. [Cestodaria.]
- rugosa* Dies., 1850a, 408 (in *Antilope pyrga*; Port Natal); 1859a, 492 (in *Macra edulis*; Valparaiso); 1859c, 447.
- urna* (Grube & Wag., 1852) Mont., 1896, 151.

**GYRODACTYLE** Moul., 1856a, 10, for *Gyrodactylus*.

**GYRODACTYLEE** Cerf., 1899a, 452.

**GYRODACTYLIDÆ** Cobbold, 1877f, 326; 1879b, 4.—R. Bl., 1888a, 541 (embraced in Polystomiens).—Braun, 1890a, 463, 465, 469, 511, 516, 517, 519, 523, 533, 538, 542; 1890b, 127; 1893a, 890.—Cerf., 1899a, 452.—Gamb., 1896a, 53, 61, 73.—Goto, 1899, 291.—Jackson, 1888, 642, 654 (includes: *Gyrodactylus*, *Dactylogyrus*, *Calceost.*, etc.).—Maclaren, 1904, 583, 597, 598, 599, 600, 601.—Mont., 1888a, 8, 13, 15 (*Gyrodactylidæ*); 1889, 116; 1891, 108, 109; 1905, 80.—Par. & Perugia, 1889, 745.—Scott, 1901, 141.—Sons., 1890, 175 (*Gyrodactilidæ*).—See also next entry.

**GYRODACTYLIDÆ** "Ben. & Hesse, 1863," —.—Hoyle, 1890, 539 (includes: *Gyrodactylus*, *Dactylogyrus*, *Tetraonchus*, *Diplectanum*, *Calceost.*, *Sphyrnura*).—Mont., 1888, 7, 8, 10, 11, 14, 20, 24, 37, 66, 70, 86, 88, 90, 101, 107, 108; 1903, 336 (raised from subf. to family rank; subf.: *Gyrodactylinæ* (*Gyrodactylus*, *Dactylogyrus*); *Tetraonchinæ* (*Tetraonchus* = *Ancyrocephalus* = *Amphibdella* = *Dactylodiscus*); *Diplectaninæ* (*Diplectanum*); 1892, Oct. 7, 213 (fam. of *Eterocotylea*, includes subf. *Calceostominæ*, *Gyrodactylinæ*).—Par. & Perugia, 1890, 8.—Pratt, 1900a, 646, 653 (includes: *Gyrodactylus*, *Dactylogyrus*, *Tetraonchus*, *Diplectanum*, *Calceost.*, *Amphibdella*, *Dactylodiscus*, *Fridericianella*, *Anoplodiscus*).—Stoss., 1898, 16–17.—Tasch., 1879, 69; 1879, 235, 237, 238, 260.—See also foregoing entry.

**GYRODACTYLIDEA** "Ben."—Olss., 1893, 6.

**GYRODACTYLIDES** Tasch., 1879, 235.—Mont., 1888, 86.

**GYRODACTYLINÆ** Mont., 1892, Oct. 7, 213 (subf. of *Gyrodactylidæ*); 1903, 336 (f. *Gyrodactylidæ*); 1905, 65, 80.—Braun, 1893a, 890.—Gamb., 1896, 73.—St.-Remy, 1898, 523, 564.

**GYRODACTYLUS** Nord., 1832a, 105–106 [type by elimination *elegans*]; 1840, 603.—Ben., 1858a, 1861a, 11, 63–66, 171, 177, 297.—Ben. & Hesse, 1864, 121.—Biehringer, 1884, 19, 23.—Braun, 1883a, 57; 1889i, 440; 1889k, 622; 1890a, 412, 416, 436, 438, 443, 444, 445, 448, 450, 451, 452, 468, 470, 478, 486, 492, 503, 508, 511, 515, 516, 517, 523, 542, 543; 1892a, 813; 1893a, 888, 889, 890; 1893b, 179, 184, 187.—Burn., 1856a, 251.—Carus, 1863, 478.—Crep., 1838, 84; 1839, 301.—Dies., 1850a, 290, 432, 433 (syn. of *Dactylogyrus*), 650, 651; 1858c, 314, 374–375; 1859c, 423, 439.—Duj., 1845a, 480–481.—Fraip., 1880c, 442.—Gamb., 1896, 55, 61, 63, 73.—Goldb., 1855, 20.—Haswell, 1892b, 150; 1893c, 114.—Hoyle, 1890, 539.—Jackson, 1888, 643, 646, 648, 654.—Kath., 1894a, 125–164; 1894b, 125–164; 1895a, 431; 1899a, 328–329.—Leuck., 1863, 48, 51, 489; 1879, 58, 62.—Looss, 1892a, 72.—Maclaren, 1904, 586, 587, 598, 599, 600.—Metschnikoff, 1869a, 61–65 (embryology).—Mont., 1888, 10, 13, 14, 53, 63, 70, 71, 72, 73, 76, 81, 86, 95, 101, 107, 108; 1889, 114; 1891, 109, 111; 1892, Oct. 7, 186, 213 (g. of *Gyrodactylinæ*); 1903, 336 (subf.: *Gyrodactylinæ*).—Odh., 1900, 65.—Plehn, 1905, 28–30 (treatment with ammonia).—Pratt, 1900a, 646, 654, 657, fig. 43, 661.—Roth, 1904, 60–61 (treatment).—St. Remy, 1898, 524, 565.—Sieb., 1839, 163; (1849) v. 1 (4), 347–363.—Tasch., 1879, 69; 1879, 233, 258, 260 (syn. *Dactylogyrus*), 261 (syn. of *Dactylogyrus*), 263 (of Wedl, syn. of *Tetraonchus*).—Wagener, 1857, 25, 26, 49, 50, 76.—Wallenstedt, 1847, 7.

*anchoratus* Duj., 1845a, 480–481, pl. 8, fig. j (t. h. "carpe").—Bradley, 1861a, 257.—Dies., 1850a, 432.—Kath., 1894a, 155, 156.—Tasch., 1879, 261 (syn. of *Dactylogyrus auriculatus*).—Wagener, 1857, 49.

*auricularis* Wedl, 1857, 254, 258, 259, 274, 277, pl. 3, figs. 27–31 [uses auricularis and auriculatus]. in *Cyprinus carpio*.—Dies., 1858c, 376 (syn. of *Dactylogyrus anchoratus*).—Kath., 1894a, 157.—Tasch., 1879, 261 (syn. of *Dact. auriculatus*).

*auriculatus* Nord., 1832a, 108–109, pl. 10, figs. 4–9 (t. h. *Cyprinus brama*); 1840, 546, 603–604.—Ben., 1858a, 1861a, 64, 66–67, pl. 7, figs. 9–11 (in *C. br.*).—Braun, 1891d, 421.—Crep., 1838, 84, 85, 86, 87; 1839, 301.—Dies., 1850a, 432 (of Duj., 1845a, 480, syn. of *G. dujardinianus*), 433 (of Nord., type of *Dactylogyrus*); 1859c, 440 (of Ben., 1858, 66, syn. of *Dact. duj.*).—Duj., 1845a, 480, pl. 8, fig. H.—Kath., 1894a, 155, 156.—Mont., 1888, 10.—Sieb., 1835, 70.—Tasch., 1879, 260 (of Duj, syn. of *Dact. duj.*). 261 (of Nord., to *Dactylogyrus*).—Wagener, 1857, 49, 50. Wedl, 1857, 258–274, pl. 3, figs. 27–31.

*cochlea* Wedl, 1857, 258–274, pl. 3, figs. 32–37 (in *Esox lucius*).—Cobbold, 1862m, 38; 1879b, 466.—Dies., 1858c, 380 (syn. of *Tetraonchus monenteron*).—Kath., 1894a, 157.



## GYRODACTYLUS—Continued.

- crassiusculus* Wedl, 1857, 258–274, pl. 4, figs. 38–40 (in *Lucioperca sandra*).—Cobbold, 1862m, 38; 1879b, 466.—Dies., 1858e, 381 (syn. of *Tetraonchus unguiculatus*).—Kath., 1894a, 157.—Tasch., 1879, 263 (syn. of *Tetr. ung.*).
- cruciatus* Wedl, 1857, 258–274, pl. 4, figs. 46–47 (in *Cobitis fossilis*).—Dies., 1858e, 381 (to *Tetraonchus*).—Kath., 1894a, 157.—Tasch., 1879, 264 (to *Tetr.*).
- dujardinianus* Dies., 1850a, 432 (auriculatus of Duj., 1845a, 480, pl., fig. II, renamed) (in *Cyprinus carpio*, *Leuciscus rutilus*); 1858e, 376 (to *Dactylogyrus*).—Kath., 1894a, 156.—Kroyer, 1852–53a, 1224 (in *Leuc. rut.*).
- elegans* Nord., 1832a, 106–108, pl. 10, fig. 1–3 (t. h. *Cyprinus brama*); 1840, 603.—Ben., 1858a, 1861a, 11, 64, 67–68, 223, pl. 7, fig. 12 (in *Cyp. br.*).—Ben. & Hesse, 1864, 121.—Bradley, 1861b, 209–210 (on stickle-back in Hampstead ponds).—Braun, 1883a, 57, 71; 1890a, 417, 425, 426, 438, 454, 455, 508, 543, 549, 550, 551; 1893b, 179.—Cobbold, 1862m, 35–39; 1879b, 464, 465, 466, fig. 79.—Crep., 1838, 84, 85, 87; 1839a, 301.—Dies., 1850a, 432, 649, 651; 1852, 417, v. 13, 51–54; 1858e, 375 (in *Cyp. carpio*, *Abramis brama*, *Gasterosteus aculeatus*, *G. pungitius*, *Phoxinus phoxinus*, *Cobitis barbatula*); 1859c, 439–440.—Duj., 1845a, 480.—Gamb., 1896, 61, fig. 29.—Houghton, 1862a, 77 (in Shropshire).—Hoyle, 1890, 539, 540, fig. 3–G.—Jackson, 1888, 650.—Janicki, 1903a, 241–245, figs. 1–4 (egg segmentation); 1903b, 380.—Kath., 1894a, 127, 129, 130, 132, 133, 134, 140, 141, 144, 150, 155, 156, 157, 158, pl. 7, figs. 1, 2, 5, 6; 1899a, 328; 1904a, 519–550, figs. A–K, 1–26 (development); 1904b, 444–445; 1905a (I, 31), 18–19.—Kholodk., 1899a, 148.—Kowal., 1902d, 23 (5) (in *Cyp. carpio*); 1904, 328–329; 1904, 10, (25) (in *Cyp. carpio*; Galicia); 1905a, 18–19.—Kroyer, 1838–40a, 592, 593; 1852–53a, 1225, 1226 (in *Phoxinus phoxinus* L., *Cob. barb. L.*, *Gast. acul.*, *G. pungitius*).—Leuck., 1863a, 489.—Levin., 1881a, 79.—Mont., 1888a, 8, 70; 1891, 111; 1892, Oct. 7, 186.—Odhn., 1905, 372.—Olss., 1893, 6.—Pavesi, 1881, 616.—St.-Remy, 1898, 565–566.—Schneidmuehl, 1896, 303.—Sieb., 1839, 164; 1849, 347.—Sramek, 1901, 95, 110, fig. 65 (in *Abramis brama*).—Tasch., 1879, 260–261 (in *Cyp. carpio*, *Abramis brama*, *Gast. acul.*, *G. pungitius*, *Phoxinus phoxinus*, *Cob. barb.*).—Wagener, 1857, 49, 50, 51–54, 57, 60, 63, 64, 76; 1860, 768–793, pls. 17–18; 1861, v. 1, 196–212 (reported also for *Abramis vimba*, *Cyclopterus lumpus*, *Esox lucius*, *Gobius minutus*, *Leuciscus phoxinus*).
- falcatus* Wedl, 1857, 258–274, pl. 4, figs. 48–50 (in *Cyprinus sp.*).—Dies., 1858e, 377 (to *Dactylogyrus*).—Kath., 1894a, 157.—Tasch., 1879, 261 (to *Dact.*).
- gracilis* Kath., 1894a, 129, 131, 139, 141, 143, 147, 150, 157, 158–159, pl. 7, figs. 4, 7, (in *Cobitis fossilis*, *Cyprinus carpio*, *Gobius fluviatilis*, *Leuciscus erythrophthalmus*, *L. rutilus*) [= *G. elegans* of Ben.].—Odhn., 1905, 372.—St.-Remy, 1898, 566.
- granlandicus* Levin., 1881a, 78–79, pl. 3, figs. 5–6 (in *Cottus scorpius*; *Egedesminde*).—Odhn., 1905, 372.—Pratt, 1900, 372; 1900, 657, 661, fig. 43.
- medius* Kath., 1894a, 129, 131, 137, 141, 143, 147, 150, 158, pl. 7, figs. 3, 8, pl. 8, figs. 9–16, pl. 9, figs. 17–24 (in *Cobitis fossilis*, *Cyprinus carpio*); 1899a, 328.—Odhn., 1905, 372.—St.-Remy, 1898, 566.
- mollis* Wedl, 1857, 258–274, 272, pl. 4, fig. 51 (in *Cyprinus carpio*).—Dies., 1858e, 379 (to *Dactylogyrus*).—Kath., 1894a, 157.—Tasch., 1879, 262 (to *Dact.*).
- species Ben., 1870, 27, pl. 3, fig. 14, see *Dactylogyrus benedeni*.—St.-Remy, 1898, 566, 567.
- species Ben., 1870, 64, pl. 3, fig. 13.
- tenus* Wedl, 1857, 258–274, 270, 278, pl. 4, figs. 41–45 (in *Perca fluviatilis*).—Cobbold, 1862m, 38, 39.—Dies., 1858e, 379 (to *Dactylogyrus*).—Kath., 1894a, 157.—Tasch., 1879b, 262 (to *Dact.*).

## GYRODAKTILIDÆ Schneidmuehl, 1896, 296, for Gyrodactylidæ.

HÆMATOBIUM shortened form of Dist. hæmatobium Duglison, 1893, 506; also Reichenback's term for a blood corpuscle.—Billings, 1890, 612.—Danilewsky, 1890c, 753 [= Plasmodium].

*equi* Burke, 1882, 320, fig. 1 (a blood filaria), 322, fig. 2 (egg of fluke).

HÆMATOBLÆCHUS Looss, 1899b, 600–601, 602, 603 (tod. variegatus Looss, 1899) [not *Hæmatolæcha* Stål, 1874, hemipteron] (renamed: *Pneumoneces* Looss, 1902m, 732) αἱματοβλοχός, blood sucking; 1902m, 732, 839.—Klein, 1905, 64.—Luehe, 1900, 557, 561.—Odhn., 1902, 41.—Ofenheim, 1900, 156, 164, 182.—Pratt, 1902, 888, 900; 1903, 37.—Staff., 1902, 418; 1902, 725; 1902, 895–912; 1905, Apr. 11 (= *Pneumoneces*).—Stiles, 1901r, 189.—Stiles & Hass., 1901d, 20.

**HÆMATOLECHUS**—Continued.

- asper* Looss, 1899b, 601, 603–604 (separated from variegatus).—Luehe, 1902, 238.—Staff., 1902, 896.
- breviplus* Staff., 1902, 901, 904–905, pl. 33, fig. 2 (in *Rana catesbiana*, *R. virescens*; Canada).
- longiplus* Staff., 1902, 901–903, pl. 33, fig. 1 (in *Rana catesbiana*; Canada).
- medioplus* Staff., 1902, 901, 908–910, pl. 33, fig. 5 (in *Bufo lentiginosus*, *Rana virescens*; Canada).
- similigenus* Stiles & Hass., 1902d, 20 (*H. similis* [*Distoma simile*] renamed).
- simiplus* Staff., 1902, 901, 907–908, pl. 33, fig. 4 (in *Rana virescens* Kalm, *Bufo lentiginosus* Shaw; Canada).—Seely, 1906, 252.
- similis* Looss, 1899b, 601, 602 (“*Dist. simile* Looss, 1899” nec Sons., 1890).—Staff., 1902, 896, 908.—Stiles, 1901, 178.—Stiles & Hass., 1902d, 20 (renamed *similigenus*).
- variegatus* (Rud., 1819) Looss, 1899b, 601, 602; 1902m, 429, 732 (type of *Pneumonoceus*).—Luehe, 1900, 556.—Ssnitzin, 1905, 137–140; 1906, 686 (in *Colopteryx virgo*; Warschau).—Staff., 1902, 896, 906.—Stiles, 1901, 178.—Stoss., 1902, 5.
- varioplus* Staff., 1902, 901, 906, pl. 33, fig. 3 (in *Rana catesbiana*; Canada).

**HÆMATOTREPHUS** Stoss., 1902, 8, 22–23 (tod. *lanceolatus* Wedl).

- cymbius* (Dies., 1850) Stoss., 1902, 27–28 (in *Himantopus wilsoni*; Brazil).
- fasciatus* Stoss., 1902, 25, pl. 6, figs. 21, 22 (in *Numenius arquatus*; locality?).
- lanceolatus* (Wedl, 1858) Stoss., 1902, 23–24, pl. 5, figs. 17, 18 (in *Himantopus candidus*; Rome; *H. melanopterus*).
- phaneropsolus* Stoss., 1902, 25–26, pl. 6, figs. 23, 24 (in *Totanus* sp.; Yeddo, Japan).
- similis* Stoss., 1902, 24, pl. 5, figs. 19, 20, pl. 8, fig. 30 (in *Himantopus atropterus*; Cairo, Alexandria).
- tringæ* (Brand, 1892) Stoss., 1902, 26–27, pl. 7, fig. 26 (in *Tringa variabilis*; Tor, Sinai).

**HALICOMETRA** Pratt 1902a, 888 (subf., *Psilostominae*) 896, for *Helicometra*.**HALIPEGUS** Looss, 1899b, 645–646 (m. *ovocaudatus*); ἀλῆς, enough; πηγός, well fed; 1902m, 839.—Odhn., 1905, 364.—Ofenheim, 1900, 183.—Luehe, 1901, 485.—Pratt, 1902a, 889 (related to *Synœliinae*), 905.

- dubius* Klein, 1905, 68 (in *Coluber olivaceus*); 1905, 10.
- longispina* Klein, 1905, 65–68, pl. 5, fig. 3 (in *Rana hexadactyla*); 1905, 7–10.
- occidualis* Staff., 1905, Apr. 11, 687–688 (in *Rana clamata* Daud., *R. catesbiana* Shaw; Canada) (syns.: *Dist. ovocaudatum* of Nickerson 1898, 261, and of Staff., 1900, 409).
- ovocaudatus* (Vulpian, 1858) Looss, 1899b, 645.—Klein, 1905, 7, 8, 9; 1905, 65.—Luehe, 1900, 507; 1900, 558, 559.—Odhn., 1905, 364.—Ssnitzin, 1905, 140–144; 1906, 686 (in *Colopteryx virgo*; Warschau); larva is *Cerc. cystophora*.—Staff., 1904, May 3, 484 (compared with *Derogenes varicus* (in mouth of frogs) sp. Luehe, 1900, 558–559.—See *dubius* Klein, 1905).

**HALZOUN** Khouri, 1904, 78, name of disease, see sub *Fascioliasis*.**HAPALOMETRA** Pratt, 1902, 889, misprint for *Hapalotrema*.**HAPALOTREMA** Looss, 1899b, 656–657 (m. *constrictum*=*mistroides*); 1902m, 415, 520, 521, 523, 524, 839.—Braun, 1902b, 23.—Luehe, 1901, 488.—Odhn., 1902, 41, 42.—Ofenheim, 1900, 183.—Pratt, 1902a, 889 (*Hapalometra*, misprint), 907.

1902: *Hapalometra* Pratt, 1902a, 889, misprint.

*constrictum* (Leared, 1862 [nec Mehlis, 1846]) Looss, 1899b, 656, 750–752, figs. 72–75; 1902m, 417, 519–521 (in *Thalassochelys corticata* in Egypt).

*mistroides* (Mont., 1876).—Stiles & Hass., 1908, 279.

**HAPLOMETRA** Looss, 1899b, 599–600 (tod. *cylindræa*), 601, 602, 603; 1902m, 839.—Luehe, 1900, 557, 561.—Odhn., 1902, 41.—Ofenheim, 1900, 182, 183.—Pratt, 1902, 888, 900.—Staff., 1905, Apr., 11, 691.

*cylindræa* (Zed., 1800) Looss, 1899b, 600.—Darr, 1902, 663, 678.—Kowal., 1902d, (8) 26; 1904, (9) 24, (in *Rana temporaria*; Dublany).—Luehe, 1900, 556, 557.

**HAPLOMETRINÆ** Pratt, 1902a, 888, 900 (includes: *Haplometra*, *Hæmatolechus*, *Ostriolum*, *Macrodera*; related genera: *Opisthognimus*, *Asymphyllodora*).

- HAPLOPORINÆ Looss, 1902, 129–143, 14 figs., distome subf.  
HAPLOPORUS Looss, 1902h, 134–135 (tod. benedeni).  
*benedeni* (Stoss., 1887) Looss, 1902h, 135, 136–138, figs. 5–6.  
*lateralis* Looss, 1902h, 138–139, figs. 7–8 (in *Mugil auratus*, M. chelo).  
HAPLORCHIDINÆ Pratt, 1902, 890 (includes: *Haplorchis*, *Galactosomum*, *Opisthotrema*, *Cyclocœlum*, *Notocotylus*, *Ogmogaster*, *Stictodora*, *Mesometra*, *Monost.*).  
HAPLORCHIINÆ Looss, 1899b, 671.  
HAPLORCHIS Looss, 1899b, 670–671 (tod. *pumilio*); *ἀπλοῦς*, single; 1902m, 442, 512.—MacCallum, 1902, 636.—Pratt, 1902, 890, 910.  
*cahirinus* (Looss, 1896) Looss, 1899b, 671, 752–754, fig. 89.  
*pumilio* (Looss, 1896) Looss, 1899b, 671.  
HAPLOSPANCHNUS Looss, 1902i, July 26, 119–122 (m. *pachysomus*); 1902k; 1903n, 899; 1905h.—Odhn., 1905, 293.  
*pachysomus* (Eysenhardt, 1829) Looss, 1902i, 129.  
HAPLOSTOMUM Burm., 1856a, 250 (“Bei den Holostomiden (*Acolytea* Dies.) ist ausser der Sauggrube, worin sich der Mund befindet, keine zweite Sauggrube am Körper vorhanden.—*Diplostomum* und *Haplostomum* mit den davon abgezweigten Formen haben weit von einander getrennte Geschlechtsöffnungen; bei *Holostomum* stehen sie dicht neben einander”).  
HARMOSTOMINÆ Looss, 1900, 605.—Pratt, 1902, 889, 907 (includes: *Harmost.*, *Ityogonimus*, *Glaphyrostomum*, *Scaphiost.*).  
HARMOSTOMUM Braun, 1899g, 492 (tod. *leptostomum*; also places here *D. spinulosum* Hofm., *D. opisthotrias* Lutz); 1900h, 5, 11, 12, 13; 1901b, 34; 1901e, 338, 342 (syn. *Heterolope*); 1901, 562, 564, 567; Braun, 1901, 897; 1902b, 114, 115, 116, 120, 122, 125, 135 (syn. *Heterolope*).—Cohn, 1902, 880.—Looss, 1900, 605 (*Marmost.*, misprint); 1901, 199; 1902m, 813, 839.—Luehe, 1900, 557; 1901, 488.—Odhn., 1902, 42.—Pratt, 1902, 889, 907.—Stiles, 1901, 183, 185.  
1899: *Heterolope* Looss, 1899b, 551, 651–652, 653, 655 (tod. *leptostoma*) [not *Heterolope* Franzenau, 1884, protozoon].  
1900: *Marmostomum* Looss, 1900, 605, misprint.  
*æquans* (Looss, 1899) Braun, 1900h, 12; 1901e, 338.  
*caudale* (Rud., 1809) Braun, 1901f, 562; 1902b, 123, 124 (syn. *Dist. caryocatactis* Zed.) (in *Nucifraga caryocatactes*).  
*centrodes* Braun, 1901g, 941 (in *Tinamus variegatus* Lath.; Brazil); 1902b, 120, 121, 122, figs. 73, 74.  
*fuscatum* (Rud., 1819) Braun, 1902b, 114, 115 (in *Coturnix communis*), 116, 118, 129, fig. 71.  
*leptostomum* (Olss., 1876) [Braun, 1899g, 492]; 1906, 133, fig. 68 (in *Helix hortensis*).  
*marsupium* Braun, 1901g, 941 (in *Perdix rufina* Spix; Brazil); 1902b, 118, 121, fig. 72.  
*mesostomum* (Rud., 1803) Braun, 1902b, 128 (syn. *D. caudale* Rud.).  
*mordens* Braun, 1901g, 941 (in *Rallus* sp.; Brazil); 1902b, 122, 132, fig. 75.  
*opisthotrias* (Lutz, 1895) Braun [1899g, 492] 1901e, 338–339.  
[*spinulosum* (Hofman, 1899) Braun, 1899g, 492.]  
HECTOCOTYLUS Cuv., 1829b, 147 (type octopodis).—This supposed worm is not a trematode, but a male mollusk. The name is written in various ways: *Hectocotyle*, etc.  
HELICOMETRA Odhn., 1902, 160–161 (tod. *pulchella*); 1905, 327, 328.—Stoss., 1903, v. 7 (3), 373–376, 1 fig.; 1904, 199; 1905, Jan. 31, 23; 1905, Jan. 10, 789.  
1902: *Halicometra* Pratt, 1902a, 888, 896, misprint.  
*fasciata* (Rud., 1819) Odhn., 1902, 161, 162.—Stoss., 1903, 373, 375; 1904, 13.  
*flava* Stoss., 1903, 373–376, 1 fig. (in *Centropristis hepatus*; Trieste); 1904, 13.  
*gobii* (Stoss., 1883) Stoss., 1904, 12–13 (in *Gobius jozo*; Trieste).  
*mutabilis* (Stoss., 1902) Stoss., 1903, 375, 376; 1904, 13.—Engler, 1904, 186.—Hollack, 1902a, 868.  
*pulchella* (Rud., 1819) Odhn., 1902, 161–162, fig. 3 (syn. *D. labri* Stoss.).—Stoss., 1903, 373, 375; 1904, 13.  
*sinuata* (Rud., 1819) Odhn., 1902, 162.—Stoss., 1903, 373, 375; 1904, 13.

- HEMISTOMA** Cobbold, 1876, 853, for *Hemistomum*.—Fischder., 1903h, 488.
- HEMISTOMEÆ** Brand., 1890a, 585.
- HEMISTOMIDÆ** Brand., 1888a, 58.—Braun, 1893a, 887.—Heider, 1900, 19–22, 4 figs. (Braunina n. g.).
- HEMISTOMINÆ** Braun, 1893a, 890, 895, 902.—Mont., 1892, Oct. 7, 214 (subf. of *Holostomidæ*).—Mueh., 1898, 18.—Pratt, 1902, 890 (*Hemist.*).—Wolf, 1903, 621.
- HEMISTOMUM** Dies., 1850a, 287, 307–312 (type by inclusion *alatum*=*Alaria vulpis*; also type by first species rule) (syns.: *Plan. Gœze*, *Festuc. et Alaria Schrank*, *Fasc. Gmelin*, *Strigea Abildg.*, *Dist. et Amphist. Rud.*, *Holost. Nitzsch*), 397 [not *Hemistomia* (Crosse, 1872, mollusk); 1855, 60–61; 1858e, 312, 318–319.—Brand., 1888a, 8, 9, 12, 13, 14, 50, 59; 1892, 505.—Braun, 1892a, 599, 600; 1893a, 872, 879, 887, 890, 894, 895, 900, 902, 917; 1894, 166; 1895b, 132, 136.—Carus, 1863, 479.—Cohn, 1904, 235.—Fischder., 1903h, 488.—Gamb., 1896, 73.—Goldb., 1855, 17.—Johnston, 1904a (in Australian birds).—Hoyle, 1890, 539 (3 sp., 1 in wild cat, 2 in birds).—Looss, 1896b, 13 (sp. of *Sons.*, syn. of *Gastrodiscus ægyptiacus*).—Mont., 1888, 71, 84, 91; 1891, 105, 109; 1892, Oct. 7, 214 (gen. of *Hemistominæ*).—Moul., 1856a, 12, 15.—Pratt, 1902, 890, 908.—Rail., 1893a, 381; 1896, 160 (=Conchosomum).—Schneidemuehl, 1896, 295, 303.—Villot, 1878, 19; 1898, 538.—Wolf, 1903, 607.
- 1876: *Hemistoma* Cobbold, 1876, 853.
- ægyptiaca* (Cobbold, 1876) Cobbold, 1876, Dec., 853–854.
- alatum* (Gœze, 1782) Dies., 1850a, 307–308 (includes *Plan. alata* Gœze, *Festuc. alata* Schrank, *Fasc. alata* Rud., *Dist. alatum* Zedl., *Holost. alatum* Nitzsch, *Fasc. vulpis* Gmelin, *Alaria vulpis* Schrank, *Dist. vulpina* Abildg.).—Anacker, 1892c, 94.—Baillet, 1866b, 106 (to *Holost.*).—Brand., 1888a, 16, 60 (syns. *Alaria vulpis* Schrank, *Dist. alatum* Rud., *D. vulpina* Abildg., *Fasc. alata* Rud., *Festucaria alata* Schrank, *Fasc. vulpis* Schrank, *Holost. alatum* Nitzsch, *Plan. alata* Gœze) (in *Canis familiaris*, *C. vulpis*, *Thos. cancrivorus*); 1890a, 568, 569, 587, pl. 40, figs. 1–5.—Braun, 1883b, 25; 1892a, 569, 599; 1893a, 879, 902; 1896b, 3; 1896d, 583; 1897c, —; 1901e, 336.—Cobbold, 1879b, 432.—Dav., 1877a, 233.—Mol., 1858, 127; 1861, 193.—Mueh., 1898, 18.—Par., 1894, 202, 620, 809, 1050.—Rail., 1893a, 382; 1896, 160 (to *Conchosomum*).—Ratz, 1898, 397.—Schneidemuehl, 1896, 303.—Sons., 1889, 192 (*Emistomum*).—Stoss., 1891, 111 (in *Vulpes vulgaris*).—Ward, 1895, 341 (in *Canis familiaris*).—Zuern, 1882, 221.—Also reported for *Canis azaræ*, *Canis lagopus*, *C. lupus*, *Megalotis cerdo*.
- attenuatum* Linst., 1906, 11–12, pl. 1, fig. 13 (in *Buteo vulgaris*).
- auritum* (Duj., 1845) Dies., 1850a, 311–312 (in *Strix flammea*, Apr., Rhedoni).—Brand., 1888a, 62; 1890a, 589 (in *St. flam.*).—Braun, 1893a, 902.
- clathratum* Dies., 1850a, 308 (t. h. *Lutra brasiliensis*; Matogrosso, Brazil); 1855, 61, pl. 1, figs. 13–15; 1858e, 318, 319.—Brand., 1888a, 60–61; 1890a, 587–588, pl. 40, figs. 6–13 (in *L. bras.*).—Braun, 1892a, 569, 582, 599, 699; 1893a, 902.—Cobbold, 1879b, 298.—Wolf, 1903, 605, fig. 2.
- commutatum* Dies., 1850a, 311 (includes “*Amphist. pilcatum*” of Bremer, pl. 8, figs. 28, 29, not of Rud., 1819) (t. h. *Sterna caspica*; June, M. C. V.).—Brand., 1888a, 62; 1890a, 590 (in *S. cas.*).—Braun, 1893a, 902.
- cordatum* Dies., 1850a, 308–309 (t. h. *Felis catus ferus*; Nov., M. C. V.); 1855, 61, pl. 1, figs. 16–18; 1858e, 319.—Brand., 1888a, 24, 25, 61–62; 1890a, 552, 554, 589, pl. 40, figs. 18, 20 (in *Felis catus*); 1892, 505.—Braun, 1892a, 569, 579; 1893a, 902.—Cobbold, 1879b, 307.—Heider, 1900, 19, 21.—Schneidemuehl, 1896, 303.—Wolf, 1903, 605, 606, 609, fig. 3.
- denticulatum* (Rud., 1819) Dies., 1850a, 311 (in *Alcedo ispida*; Rhedoni).—Brand., 1888a, 62 (in *A. isp.*; Wien. Mus.); 1890a, 589.—Braun, 1893a, 902.—Villot, 1898, 538, 539, 540, 541, 542 (adult of *Diplost. volvens*; larva in *Phoxinus lævis*).—Wolffhuegel, 1900, 9, 18.
- ellipticum* Brand., 1888a, 59–60, 67 (in *Piaya cayana*; by Natterer); 1890a, 586, 595.—Braun, 1893a, 902 (Brazil).
- excavatum* (Rud., 1803) Dies., 1850a, 309–310 (in *Ciconia alba*, July, Gryphie; *C. nigra*).—Braun, 1893a, 902; 1894, 167.—Brand., 1888a, 62; 1890a, 590 (in *Ciconia alba*, *C. nigra*).—Giebel, 1857, 265.—Mueh., 1898, 16, 18.—Also reported for *Nycticorax griseus*.
- grande* (Dies., 1850) Brand., 1890a, 576 (syn. of *H. macropterum*).
- intermedium* Johnston, 1904, 109–110, pl. 5, figs. 7–10 (in *Cygnus atratus* Lath.).

## HEMISTOMUM—Continued.

*kordatum*, see *cordatum*.

*macropteron* Wien. MS. in Brand., 1888a, 55 (syn. *Diplost. grande* Dies.); 1890a, 576, 581.

*pedatum* Dies., 1850a, 309 (t. h. *Didelphis myosurus* and *D. cancrivorus*; Brazil, May, June, Dec.); 1855, 61–62, pl. 1, figs. 19–24; 1858c, 319.—Brand., 1888a, 57, 61 (in *Did. cancr.*, *D. my.*); 1890a, 584, 588, pl. 40, fig. 14.—Braun, 1892a, 581; 1893a, 880, 902.

*pileatum* Brand., 1888a, 59, 62, 64 (in *Sterna caspica*, *Larus glaucus*, *Colymbus arcticus*, *Mergus merganser*) (syn. *Holost. erraticum* of Linst., 1877c, 188, pl. 13, figs. 18–19); 1890a, 586, 589, 590, 591, pl. 40, fig. 21; 1892, 510.—Braun, 1892a, 582; 1893a, 902.—Kowal., 1904, (8), 23 (in *Mergus merganser*).—Linst., 1906, 12.—Mueh., 1898, 18.—Stoss., 1895, 37; 1898, 20.—Wolffhügel, 1900, 9, 15, 54, 61, 62.—Reported also for *Buteo vulgaris*, *Ciconia alba*, *Colymbus glacialis*, *C. septentrionalis*, *Larus marinus*, *L. ridibundus*, *Nyctea nivea*, *Podiceps cristatus*.

*podomorphum* (Nitzsch, 1819) Dies., 1850a, 311 (in *Falco haliaetos*; Halle).—Brand., 1888a, 62; 1890a, 589 (in *F. hal.*).—Braun, 1893a, 902.—Also reported for *Circus cineraceus*.

*spathaceum* (Rud., 1819) Dies., 1850a, 310 (syns. *Amphist. lari glauci* Rud., *Holost. spathaceum* Duj., 1845a, 375) (in *Larus argentatus*, *L. argentatoides*, *L. canus*, *L. marinus*, *L. tridactylus*; London).—Brand., 1888a, 62 (same hosts); 1890a, 589.—Braun, 1891d, 424 (in *Lestris buffonis*); 1894k, 681; 1894, 166, 167.—Kowal., 1896d, 252 (2) (in *Dominicanus marinus* Bruch., Lwow).—Lœnnh., 1891, 76.—Mueh., 1898, 16, 18–19.—Olss., 1876, 29 (to *Diplost.*).—Stoss., 1898, 20.—Villot, 1898, 542 (adult of *Diplost. volvens*).

*spathula* (Crep., 1825) Dies., 1850a, 309 [also *spatula*, *spatulum*] (includes: *Strigea falconis palumbarii* Viborg, *Amphist. falconis palumbarii* Rud., *A. striatum* Rud., *A. macrocephalum* (*Falconis milvi*) Rud., *A. macrocephalum* Bremser non Rud.; *Holost. spathula* (Crep.); 1858c, 319 (in *Falco nisus*).—Brand., 1888a, 54, 59, 62, 68 (to *Dist.*); 1890a, 574, 580, 585–586, 589, 596, pl. 40, figs. 15–17 (in *Buteo vulgaris*, *Syrnium aluco*).—Braun, 1891d, 424; 1893a, 879, 902; 1893b, 185 (in *Circus aruginosus*).—Cobbold, 1858b, 164 (in *Strix otus*, *Falco milvus*); 1879b, 447.—Kowal., 1896d, (2) 252 (in *Buteo vulgaris* Bechst.; *Dublanys*).—Linst., 1903, 279 (*spatula*); 1906, 12 (in *Buteo vulg.*).—Mol., 1858, 127; 1861, 193–194, pl. 1, figs. 3–5.—Mueh., 1898, 19.—Par., 620, 1050.—Stoss., 1890, 50; 1892, 66; 1895, 36–37; 1896, 126; 1898, 20.—Wedl., 1857, 257–258, pl. 1, figs. 23–26.—Wolffhügel, 1900, 9, 11, 12, 14, 15, 16, 17, 44.—Reported also for *Accipiter nisus*, *Aegolius brachyotus*, *Aquila chrysaetos*, *A. naevia*, *Archibuteo vulgaris*, *Ascolopax gallinago*, *Astur nisus*, *A. palumbarius*, *Botaurus stellaris*, *Brachyotus palustris*, *Bubo maximus*, *Buteo lagopus*, *Circus actus gallicus*, *Circus cyaneus*, *C. rufus*, *Falco albicilla*, *Milvus ater*, *Otus vulgaris*, *Picus* sp.

*species* Sons., 1876.—Ward, 1895, 338 (syn. of *Gastrodiscus aegyptiacus*), in *Equus caballus*.

*triangulare* Johnston, 1904, 108–109, pl. 5, figs. 1–6 (in *Dacelo gigas* Bodd.).

*trilobum* (Rud., 1819) Dies., 1850a, 310; 1858c, 319 (in *Carbo comoranus*).—Brand., 1888a, 59; 1890a, 586 (in *Pelecanus crispus*).—Braun, 1893a, 903.—Stoss., 1897, 9 (in *Botaurus stellaris*).—Wedl., 1857, 255–257, pl. 2, figs. 20–22.

HEMIURIDÆ Luche, 1901n, 394–403, 473–488; 1901o, 638–640.—Lander, 1904a, 3.—Looss, 1902m, 839, 848 (includes: *Hemimirus*, *Eurycœlum*, *Accacœlum*, *Derogenes*, *Pronopyge*, *Liocerca* (= *Liopyge*), *Halipegus*).

HEMIURINÆ Looss, 1899b, 640; 1901, 438.—Luche, 1901n, 481.—Nicoll, 1907, 84.—Odhn., 1905, 355–356, 357, 360, 364, 366.—Pratt, 1902, 889, 905 (includes: *Hemimirus*, *Lecithocladium*, *Pronopyge*, *Lecithochirium*, *Lecithaster*, *Liopyge*, *Derogenes*).

HEMIURUS Rud., 1809a, 38 [type *appendiculatus* by Stiles & Hass, 1898a, 90] (nec *Hemimirus* Gervais, 1855, mammal; nec *Hemimura* Ridgway, 1888, Jan. 6, 511, bird).—Darr, 1902, 698.—Linst., 1904, 252.—Looss, 1899b, 527, 534, 551, 571, 582, 583, 638, 639, 640–641, 642; 1901, 194, 201, 207; 1901, 438; 1902m, 756, 781, 805, 830, 831, 839.—Luche, 1900, 509; 1901, 394, 395, 396–401, 402, 474, 479, 480, 482, 484.—Nicoll, 1907, 84.—Odhn., 1905, 354, 355, 356, 359.—Pratt, 1902, 889, 906.—Stiles, 1901, 177, 178, 185, 193.—Stiles & Hass., 1898a, 90–91, 96 (includes: *Dist. (Apoblema)*, Duj., *Apoblema* Duj., *Eurycœlum* Brock) (type *Fasc. appendiculata* Rud.).

## HEMIURUS—Continued.

- 1845: Dist. (Apoblema) Duj., 1845a, 383, 389, 420 [ld. appendiculatum].
- appendiculatus* (Rud., 1802) Looss, 1899b, 641, 671; 1902m, 831.—Lander, 1904a, 4.—Luehe, 1901, 395, 396, 398, 400, 475.—Nicoll, 1907, 69, 70, 71, 72, 84, 86, 87, 88 (in *Anguilla vulgaris*, *Centronotus gunnellus*, *Cottus bubalis*, *Hippoglossus vulgaris*, *Pleuronectes limanda*, *Pl. platessa*).—Odhn., 1905, 349, 350, 351, 352 (in *Alosa finta*).—Staff., 1904, May 3, 484 (in esoph., stomach, Canada, of *Salmo salar* L., *Osmerus mordax* Mit., *Clupea harengus* L., *Gadus callarias* L., *Pollachius virens* L., *Ammodytes tobianus* L., *Anguilla anguilla* L., *Acanthocottus scorpius* L., *Hippoglossus hippoglossus* L., *Platysomatichthys hippoglossoides* Walb.); 1905, Apr. 11, 682, abundant in copepods (*Acartia*).—Stiles, 1901, 177.
- bothryophorus* (Olss., 1868) Looss, 1899b, 641, 728–729 (in *Alosa finta*), 741.
- communis* Odhn., 1905, 348, 350, 351 (in numerous Scandinavian marine fishes), 352, 353 (syn. Dist. appendiculatum Rud. of Olss., 1868).—Nicoll, 1907, 71, 86–88 (in *Ammodytes tobianus*, *Gadus aeglefinus*).
- crenatus* (Rud., 1802) Luehe, 1901n, 395, 397, 398, 399–401 (“nec Looss, 1899”) [the synonymy as given by Luehe is not altogether clear].—Lander, 1904a, 1–28, figs. 1–42 (anat.; syns. Fasc. cren. Rud., Dist. cren. Rud., Dist. ocreatum Olss., Apoblema ocreatum Juel, Hemiurus ocreatus, Looss; 1904b–c; 1905a.—Nicoll, 1907, 84.—Odhn., 1905, 350, 352, 353, 356 (type of *Brachyphallus*).—Tennent, 1906, 666.
- crenatus* (Mol., 1859) Looss, 1899b, 641.—Luehe, 1901n, 399 (not of Rud.).
- digitatus* Looss, 1899b, 641, 729–731, fig. 48 (in *Sphyrna vulgaris*; Sawakin, Egypt, Jan.).—Durr, 1902, 659.
- excisus* (Rud., 1819) Looss, 1899b, 641.
- grandiporus* (Rud., 1819) Looss, 1899b, 641, 730.—Luehe, 1901, 401.—Nicoll, 1907, 84.
- lævis* (Lint., 1898) Looss, 1899b, 641.—Luehe, 1901, 401.—Nicoll, 1907, 84.
- levinseni* Odhn., 1905, 348–351, pl. 4, fig. 2 (in *Gadus saida* of East Greenland; also in *G. morrhua* s. ovak, *G. melanostomus*, *Cottus scorpius*, *Phycis blennoides*; West Greenland, North Denmark) (syns. Dist. appendiculatum Rud. of Olss., and Rud. of Levin.).
- lûhei* Odhn., 1905, 351, 352 (syns. Dist. appendiculatum Rud. of Olss., 1868; II. stossichi Luehe, 1901 [nec Mont., 1891] (in *Clupea harengus*, *C. sprattus*, and ? *C. pilchardus*).—Nicoll, 1907, 72, 85–86, 87 (syn. of II. stossichii) (in *Clupea harengus*).
- microporus* (Mont., 1889) Looss, 1899b, 641.
- mollissimus* (Levin., 1881) Looss, 1899b, 641.
- monticellii* (Lint., 1898) Looss, 1899b, 641.
- ocreatus* (Mol. of Olss., 1868) Looss, 1899b, 641 (nec Rud.).—Lander, 1904a, 1, syn. of H. crenatus (Rud.).—Luehe, 1901n, 399.
- ruforividis* (Rud., 1819) Looss, 1899b, 641, 730.
- sluiteri* (Brock, 1886) Looss, 1899b, 641.
- species Braun, 1902b, 125.
- stossichi* (Mont., 1891) Looss, 1899b, 641.—Luehe, 1901n, 398–399, 400 (stossichii).—Nicoll, 1907, 84, 85, 88 (syn. of H. lûhei).
- stossichi* Luehe, 1901n (nec Mont., 1891) of Odhn., 1905, 351, 352 (renamed H. lûhei Odhn.) (in *Clupea pilchardus*).
- stossichii* Luehe, 1901n, 400, for stossichi.
- tornatus* (Rud., 1819) Looss, 1899b, 641.
- varicus* (Mueller, 1784) Looss, 1899b, 641.
- (HEMIURUS) Rud., see Hemiurus.
- scabrum* (Mueller, 1788) Looss, 1899b, 582.
- HEPASTOMUM Brand., 1888a, 15, for Heptostomum.
- HEPHOSTOMUM Burm., 1856a, 251 (“In anderen Fällen fehlen die Sauggruben am Munde, so bei *Diclidophora*, *Hexacotyle*, *Hephostomum*”).
- HEPTASTOMUM (for Heptostomum Schomburgk, 1844, 136).—Brand., 1888a, 15 (Hepastomum), 52; 1890a, 578.—Braun, 1893a, 884.—Dies., 1850a, 289, 418 (syn. Dist. Henle); 1858c, 314, 369–370 (m. hirudinum).—Fil., 1854a, 23.—Goldb., 1855, 19.—Mont., 1888a, 84, 92.—Tasch., 1879, 234.

## HEPTASTOMUM—Continued.

*hirudinum* Schomburgk, 1844, 136 (in *Nephilis vulgaris*, *Clepsine complanatum*) (includes *Dist. hirudinis*).—Brand., 1888a, 13.—Braun, 1892a, 795.—Crep., 1846, 159.—Dies., 1850a, 418–419 (syn. *Dist. hirudinis* Henle, *D. tarda*); 1858c, 370, pl. 2 (in *Nephilis vulgaris*, *Clepsine complanata*).—Fil., 1854a, v. 15, 23.

HEPTOSTOMUM Schomburg, 1844, 136, see also Heptastomum.

HERONIMUS MacCallum, 1902, 25 Oct., 632–636 (m. *chelydræ*) (monostome).

*chelydræ* MacCallum, 1902, Oct. 25, 632–636, figs. 1–2 (in *Chelydra serpentina*; Dunnville, Ontario); 1902, Dec. 30, 843–844; 1905, Aug., 62.

HETERACANTHUS Dies., 1836, 307–310 (*Axine* 1794, renamed, hence type *pedatus* = *bellones* renamed) [not *Heteracanthus* Newberry, 1889, fish]; 1850a, 425 (syn. of *Axine*).—Braun, 1890a, 518.—Crep., 1838, 83; 1839, 291.—Nord., 1840, 598.—Tasch., 1879, 255 (syn. of *Axine* *Abildg.*, 1794).

*pedatus* Dies., 1836c, 310–313, pl. 17, figs. 1–2 (*Axine* *bellones* *Abildg.* on *Esox* *belone* renamed); 1850a, 425 (syn. of *Axine* *bellones*).—Ben., 1858a, 1861a, 53 (syn. of *Ax. bell.*).—Crep., 1838, 83 (syn. of *Ax. platyura*).—Goto, 1894, 196 (*Ax. belones* partim).—Kroyer, 1846–53a, 273 (in *Belone rostrata* Fab.).—Nord., 1840, 598 (syn. *Ax. bell.*) (in *Esox* *belone*).—Sieb., 1839, 163.—Stoss., 1898, 14.—Tasch., 1879, 256 (syn. of *Ax. belones*).

[*politus* (fossil fish).]

*sagittatus* Dies., 1836, 313, pl. 17, figs. 10–12 (on *Esox* *belone*; [Europe]); 1850a, 425 (syn. of *Axine* *bellones*).—Ben., 1858a, 1861a, 53 (syn. of *Ax. bell.*).—Crep., 1838, 83 (syn. of *Ax. platyura*).—Goto, 1894, 196 (*Ax. belones* *Abildg.* partim).—Kroyer, 1846–53a, 273 (in *Belone rostrata* Fab.).—Nord., 1840, 598–599 (in *Esox* *belone*).—Sieb., 1839, 163.—Tasch., 1879, 256 (syn. of *Ax. belones* *Abildg.*).

HETEROBOTHRIUM Cerf., 1895m, 141, 142, 145–146 (m. *tetrodonis*); 1896, 548, 551–552.—Mont., 1903, 336 (subf. *Diclidophorinae*).—St.-Remy, 1898, 552.—Zool. Anz., 1895, 327.

*tetrodonis* (Goto, 1894) Cerf., 1895m, 141, 142, 146 (in *Tetrodon* sp.: Japan); 1896, 548, 552.—Zool. Anz., 1895, 327.

*tetrodonis* St.-Remy, 1898, 554 (= *Diclidophora tetrodonis*), for *tetrodonis*.

HETEROCOTYLE Scott, 1904, 279 (m. *pastinacæ*).

*pastinacæ* Scott, 1904, 279, pl. 17, fig. 14 (in *Trygon pastinaca*; Dornoch Firth, Oct.).

HETERECOTYLEA Mont., 1905c, 68, apparently for *Heterocotylea*.—Massa, 1906, 43.

HETEROCOTYLEA Mont., 1892; 1899, 81, 88, 107 (*Eterocotylea*); 1903, 234; 1903c, 334–336; 1904 (II.10), 65–80, figs. 1–5 (remarks with reference to some species of): 1905c, 65–80, 5 figs.—Braun, 1893a, 889, 917; 1893b, 188; 1895b, 136.—Gamb., 1896a, 73.—MacLaren, 1904, 574, 579, 583, 586, 590, 591, 594, 596, 599.—Much., 1898, 17.—Pratt, 1900, 645, 646 (includes: *Temnocephalidae*, *Tristomidae*, *Monocotylidae*, *Polystomidae*, *Gyrodactylidae*), 647–654, 655–657, pls. 1–50, 658–661 (key to American species), 661–662; 1902, 890 (key).—Ward, 1903, 864.

HETEROKOTYLEA Schneidemuhl, 1896, 295, for *Heterocotylea*.

HETEROLOPE Looss, 1899b, 551, 651–652, 653, 655 (not *Heterolopa* Franzenau, 1884, Protozoon) (orig. species: *leptostoma* [tod.], *opisthotrias*, *æquans*, caudata) (*ἑτερος*=anders; *ἡλώπη*=wall, because of the structure of the skin); 1900, 605.—Braun, 1900h, 6, 11, 13; 1901e, 338 (= *Harmost.*); 1902b, 114 (syn. of *Harmost.* Braun, 1899, 492).—Cohn, 1902, 880 (= *Harmost.*).—Luche, 1900, 557.—Ofenheim, 1900, 183.

*æquans* Looss, 1899b, 652, 746–748, fig. 70 (in *Gerbillus ægyptius*).—Braun, 1900, 12.

*caudata* (Linst., 1873) Looss, 1899b, 652 (nec Mueller, Bosc, Polonio).

*leptostoma* (Olss., 1876) Looss, 1899b, 652, 746, 747, 748.

*opisthotrias* (Lutz, 1895) Looss, 1899b, 652.

HETEROLOPINÆ Looss, 1899b, 653, 655; 1900, 605.—Braun, 1900h, 13.

**HETEROPHYES** Cobbold, 1866a, 6 (m. *egyptiaca*=heterophyes) [this genus was probably published in some earlier paper].—Looss, 1902m, 786, 805, 808, 824; 1902n, 886–891 (revision of); 1903o, 899–900; 1905k, 56; 1907, Mar. 5, 488, 489.—Ward, 1903, 870.

1899: *Cotylogonimus* Luehe 1899, 538–539 (tod. heterophyes).

1899: *Cænogonimus* Looss, 1899b, 585 (tod. heterophyes).

*egyptiaca* Cobbold, 1866a, 6 (Dist. heterophyes renamed).

*aqualis* Looss, 1902n, 888 (in dogs and cats; Egypt).

*dispar* Looss, 1902n, 888–889 (in dogs and cats).

*fraternus* (Looss, 1894) Looss, 1902m, 785, 808, 809, 838, 854; 1902n, 887; 1907, Mar. 5, 488 (in *Pelecanus onocrotalus*; Cairo, Egypt).

*heterophyes* (Sieb., 1852) Stiles & Hass., 1900a, 563.—Looss, 1902m, 782, 785, 786, 808, 809, 838, 854; 1902n, 889; 1905, 111 (in man, cats, and dogs; Egypt), fig. 18.—Ward, 1903, 704; 1903, 864 (in *Homo*), 870 (includes: Dist. het. Sieb., 1852; *Mesogonimus* het. Rail., 1890; *Cænogonimus* het. Looss, 1900; *Cotylogonimus* het. Luehe, 1900), 871.

*inops* Looss, 1902n, 887–888 (in *Pelecanus onocrotalus*; *Milvus aegyptius* s. *M. parasiticus*; Egypt).

*pallidus* Looss, 1902n, 889–891 (in *Milvus aegyptius* s. *parasiticus*; Egypt).

*persicus* (Braun, 1901) Looss, 1902m, 782, 785.

**HETEROSTOMA** Fil., 1837a, 338–340 (m. *echinatum*) (*ἑτερος*, diverso; *στόμα*, bocca); 1857c, 9 (*Heterostomum*).—Burm., 1856a, 250 (*Heterostomum*).—Dies., 1850a, 287, 301–303 (syn. Dist. Baer) (*Heterostomum*); 1855a, 396 (mentions only two species: *echinatum*, *ovatum*).—Erc., 1881c, 33; 1882a, 269.—Goldb., 1855, 16.—Moul., 1856a, 12, 16, 121.

1850: *Heterostomum* Dies., 1850a, 287, 301–303, for *Heterostoma*.

*echinatum* Fil., 1837a, 338–339, 340, figs. 16–18 (t. h. *Paludina impura*; Italy) (an Agamodist.).—Dies., 1850a, 302 (*Heterostomum*); 1855a, 396; 1858d, 280 (to *Cercariæum*).—Leidy, 1858a, 110; 1877, 202.—Moul., 1856a, 216 (“pourrait bien être un individu libre provenant de la *Cerc. paludidae impurae* Fil.”).

*helicis asperæ* Dies., 1850a, 302–303, based on Duj., 1845a, 472; 1855a, 398 (to *Cercariæum helicis asperæ*).

*helicis asperæ* Dies., 1855a, 398, for *helicis asperæ* (to *Cercariæum*).

*helicis pomatie* (Meckel, 1846) Dies., 1850a, 303; 1855a, 398 (to *Cercariæum*).

*limacis* Dies., 1850a, 302 (based on Duj., 1845a, 472–473); 1855a, 397 (to *Cercariæum*).

*lymnæi* Dies., 1850a, 302 (based on Duj., 1845a, 473); 1855a, 399 (syn. of *Cercariæum lymnæi palustris*).

*ovatum* Dies., 1850a, 302 (Dist. luteum Baer, 1827, pl. 29, figs. 20–22, renamed) (in *Paludina vivipara*; Regiomontii); 1855a, 396 (in *Pal. vivip.*); 1858d, 279 (to *Cercariæum*).—Mont., 1893, 190.—Moul., 1856a, 215 (syn. of Dist. luteum Baer).

**HEXABOTHRIUM** Nord., 1840, 600 (m. *appendiculatum*).—Cerf., 1899a, 351, 359, 371.—Dies., 1850a, 419, renamed *Onchocotyle*.—Stoss., 1898, 11.—Tasch., 1879, 252 (syn. of *Onchocotyle* Dies.).

*appendiculatum* (Kuhn, 1829) Nord., 1840, 601 (in *Squalus catulus*).—Dies., 1850a, 419 (type of *Onchocotyle*) (in *Scyllium catulus*, *Læmargus borealis*).—Tasch., 1879, 28 (to *Onchocotyle*).

**HEXACOTYLA** Blainv., 1828a, 570–571 (tod. *thynni*).—Dies., 1850a, 416 (renamed *Plagiopeltis*).

*ocellatum* (Rud., 1819) Blainv., 1828a, 571.—Baird, 1853a, 41 (= *Polyst.*).

*thynni* (Delaroche, 1811) Blainv., 1828a, 571.—Dies., 1850a, 417 (syn. of *Plagiopeltis duplicata*, type of *Plagiopeltis*) (in *Thynnus branchypterus*, ad *insulas Balearicas*).

**HEXACOTYLE** Blainv., 1828a, 570 (same as *Hexacotyla*; both are used by Blainv.: *Hexacotyle* has been adopted as the Latin form by a number of authors).—Braun, 1890a, 413, 516, 517, 518, 523, 534, 537, 546; 1893a, 890.—Burm., 1856a, 251.—Cerf., 1895h, 920; 1896, 515; 1899a, 391.—Dies., 1850a, 409, 416 (of Blainv., syn. *Hexathyridium* Treutler), 421 (of Nord., syn. of *Diclibothrium* Leuck.).—Gamb., 1896a, 73.—Goto, 1893a, 798, 799; 1894, 215.—Hoyle, 1890, 539.—Mont., 1888a, 89, 100; 1892, Oct. 7, 213 (subg. of *Octocotyle*); 1903, 336 (= *Plagiopeltis*) (subf. *Plagiopeltinae*).—Nord., 1840, 600.—Pratt, 1900a, 653, 657, fig. 38, on gills of marine fishes.—St.-Remy, 1898, 556.—Tasch., 1879, 69; 1879, 239, 249–250 (syns. *Polyst. Roche*, *Plagiopeltis* Dies.), 254 (of Nord., 1840, syn. of *Diplobothrium* Leuck.).



## HEXACOTYLE—Continued.

- 1850: *Plagiopeltis* Dies., 1850a, 416–417 (duplicata = *thynni*).  
*acuta* Goto, 1894a, 217–220 (in *Thynnus sibi*; Hagi and Osatsubé, (Hokkaidō)).—St.-Remy, 1898, 557.  
*elegans* Nord., 1840, 597, 600 (*Diklibothrium crassicaudatum* renamed) (in *Acipenser stellatus*).—Dies., 1850a, 421 (syn. of *Diclibothrium armatum* Leuck.).—Tasch., 1879, 254 (syn. of *Diplobothrium armatum* Leuck).  
*grossa* Goto, 1894a, 220–222 (in *Thynnus* sp.; Misaki).—St.-Remy, 1898, 557–558.  
*lapridis* Sars., —.—Nord., 1840, 600 (in *Lampris gullatus*).  
*ocellatum* (Rud., 1819) Blainv., 1828a, 571.—Dies., 1850a, 413 (to Polyst.).—Nord., 1840, 600 (in *Testudo orbiculata*).—Tasch., 1879, 252 (to Polyst.).  
*pinguicola* (Treutler, 1793) Chiaje, 1833, 13 (= Polyst.).  
*thunninæ* (Par. & Perugia, 1889) Goto, 1896, 352; 1899, 273–274, pl. 20, figs. 13–15.—Pratt, 1900, 657, fig. 38.—St.-Remy, 1898, 557.  
*thynni* (Delaroche, 1811) Nord., 1840, 597, 600.—Braun, 1890a, 418, 537, 548.—Dies., 1850a, 417 (duplicata, type of *Plagiopeltis*).—Goto, 1899, 274.—Lint., 1901, 414 (in *Sarda sarda*), 446, figs. 296, 297, 298.—Par., 1894, 578; 1899, 3–4; 1902, 3 (in *Pelamys sarda*, Portoferrajo; *Thynnus thynnus*, Elba).—Par. & Perugia, 1890, 7.—St.-Remy, 1898, 556–557.—Tasch., 1879, 250 (syns.: Polyst. th. Roche, P. duplicatum Rud., Hex. th. Blainv., *Plagiopeltis* dup. Dies.) (in *Thynnus brachypterus*, *Pelamys sarda*; Napoli).  
*renarum* (Treutler, 1793) Blainv., see Dies., 1850a, 410 (to *Hexathyridium*).  
**HEXACOTYLIDE** Mont., 1899, —; 1903, 336 (subf.: *Diplobothrinæ* (g. *Diplobothrium*); *Plectanocotylinæ* (g. *Plectanocotyle*, *Phyllocotyle*)); 1905, 77, 78.  
**HEXASTOMA** Rud., 1809a, 38, 451–457 (subg. of Polyst. containing: *integerrimum* [type by inclusion], *pinguicola*, (genus in Cuv., 1836a, 264).—Dies., 1850a, 409 (syn. of *Hexathyridium* Treutler).—Kuhn, 1829, 358 (for Polyst. Rud.).—Thon, 1830, v. 7, 341.—Wallenstedt, 1847, 7.  
*integerrimum* (Frœlich, 1791) Rud., 1809a, 451.  
*pinguicola* (Treutler, 1793) [Cuv., 1836a, 264].—Dies., 1850a, 410 (to *Hexathyridium*).—Dolley.  
*renarum* (Treutler, 1793) [Cuv., 1836a, 264 (to *Hexathyridium*)].—Dies., 1850a, 410 (to *Hexathyridium*).  
**HEXOSTOMA** Rafinesque, 1815, 151, n. n. for Polyst. Roche, hence type *thynni*.  
**HEXATHYRIDIDIUM** Blainv., 1821a, 144–145 (see *Hexathyridium*); 1824a, 516; 1828a, 571–572.  
*renarum* (Treutler, 1793) Blainv., 1828a, 572.—Joy, 1835a, 505.—See *Hexathyridium*.  
**HEXATHYRIDIA** Rafinesque, 1815, 151 (genus of *Fasciolaria* with Polyst. Zed. as syn.) for *Hexathyridium*.  
**HEXATHYRIDIDIUM** Tréutler, 1793, iv, 19–22 (type by first-species rule, *pinguicola*; this seems to be taken as type by authors; see, for instance, Braun, 1889a, 317).—Blainv., 1821a, 144–145 (*Hexathyridium*); 1824a, 516 (“Je doute beaucoup que ce genre puisse être regardé comme véritablement intestinal; il est extrêmement rapproché du polystome de Delaroche; aussi pensais-je qu’il a été décrit à l’envers, ce que l’on voit dans ma définition des caractères de l’ordre”); 1828, 571–572.—Braun, 1890a, 518; 1893a, 887, 891, 892, 894.—Burm., 1856a, 251 (*Hexathiridium*).—Cerf., 1899a, 351, 371.—Dav., 1877a, lxxx.—Dies., 1850a, 288, 409–410, 412 (Blainv., syn. of Polyst. Zed.); 1858c, 314, 368.—Encycl. méthodique, Par., v. 2, 455. Goldb., 1855, 17.—Hoyle, 1890, 539 (probably a syn. for Polyst.).—Jærdens, 1802, 66.—Lamouroux, 1825, 193.—Leuck., 1863, 526; 1867, v. 2 (1), 150; 1868, v. 2 (2), 264.—Looss, 1902m, 756.—Mont., 1888a, 84 (*Hexathyridium*). 90. Nord., 1840, 601 (*Hexathiridium*).—Rud., 1801a, 58; 1809a, 22.—Stoss., 1898, 11.—Tasch., 1879, 324, 251 (syn. of Polyst. Zed.).—Thon., 1830, v. 7, 341–342 (*Hexathiridium*).  
1809: *Hexastoma* Rud., 1809a, 38, 451–457 (type by inclusion *pinguicola*).  
1815: *Hexathyridia* Rafinesque, 1815, 151.  
1821: *Hexathiridium* Blainv., 1821a, 144–145.  
1888: *Hexathyridium* Mont., 1888a, 84.  
1856: *Hexathiridium* Burm., 1856a, 261.  
*affine* Dies., 1850a, 410 (t. h. *Bombinator igneus*; Berlin).—R. Bl., 1895, 104.—Schmitz, 1826, 15, figs. 1–13.

## HEXATHYRIDIDUM—Continued.

- appendiculatum* (Kuhn) Nord.—Tasch., 1879, 253 to *Onchocotyle* (Kuhn) [Nord. uses *Hexabothrium* app., not *Hexathyridium* app.].
- integerrimum* (Frølich, 1791) Blainv., 1828, 572.—Baird, 1853a, 41 (= *Polyst. Rud.*).—Dies., 1850a, 412 (to *Polyst.*).—Stoss., 1898, 10.
- pinguicola* Troutler, 1793, iv, 19–22, pl. 3, figs., 7–11 (t. h. Homo).—Blainv., 1828, 572.—Aitken, 1866, 804, 841; 1872, 146, 207; 1874, 58.—R. Bl., 1888a, 597.—de Bonis, 1882, 180.—Braun, 1883a, 69–70; 1895b, 155.—Brera, —, 100, pl. 1, fig. 28.—Cerf., 1899a, 351.—Cobbold, 1866, 7; 1879b, 36.—Dav., 1877a, lxxxii.—Dies., 1850a, 409–410 (includes: *Polyst. ping. Zed.*, *Linguatula ping. Lamarck*, *Hexast. ping. Cuv.*); 1858c, 368 (to *Polyst.*).—Dunglison, 1893, 529, 821.—Hackley, 1886, 519.—Hoyle, 1890, 538.—Jærdens, 1802, 66, pl. 6, figs. 3–5.—Kholodk., 1898, 26, pl. 10, fig. 24.—Kuech., 1855, 464.—Leuck., 1863a, 526, 585, fig. 195.—Moniez, 1896, 108.—Mosler & Peiper, 1894, 186.—Mont., 1888, 90.—Rud., 1809a, 455 (t. *Polyst.*).—Verrill, 1870, 171.—Ward, 1895, 328 (in Homo).—Weinland, 1859, 281.
- renarium* Treutler, 1793, iv, 23–25, pl. 4, figs. 1–3.—Aitken, 1866, 804, 841–842; 1872, 146, 206; 1874, 58.—Biermer, 1863a, 393.—Blainv., 1828a, 572 (*Hexathyridium*).—R. Bl., 1888a, 596, 597; 1891, 605.—de Bonis, 1882, 181.—Braun, 1883a, 69; 1895b, 139; 1903, 3 ed., 150 (from *Vena tibialis antica*, probably young *F. hepatica*. Duval found adult *F. h.* in *Vena portarum* and other veins at Rennes (1842), and Vital (1874) describes same kind of case from Constantine); 1906, 155 (in *Homo sapiens*).—Bremser, 1824, 327–329, pl. 9, fig. u.—Cerf., 1899a, 351.—Cobbold, 1866, 7; 1879b, 36.—Crep., 1839, 290.—Dav., 1877, lxxxii, 329–330, figs. 15, 42.—Dies., 1850a, 410 (includes *Polyst. ven. Zed.*, *Polyst. sanguicola* delle Chiaje, *Linguatula ven. Lamarck*, *Hexast. ven. Cuvier*, *Hexacotyle ven. Blainv.*); 1858c, 368.—Duval, 1842a; 771, 772.—Duj., 1845a, 321.—Dunglison, 1893, 529, 821.—Hackley, 1886, 519.—Hahn & Lefèvre, 1884a, 540–541.—Hémond, 1827, 16.—L'Herminier, 1826, 13.—Hoyle, 1890, 538.—Joy, 1835a, 505.—Kholodk., 1898, 26, pl. 10, fig. 23.—Kuech., 1855, 464.—Leuck., 1863a, 526, 575, 585, fig. 194.—Moniez, 1896, 108.—Mont., 1888, 90.—Mosler & Peiper, 1894, 186.—Rud., 1809a, 456 (to *Polyst.*, as sp. inq.).—Sieb., 1839, 164.—Stiles, 1898a, 48.—Verrill, 1870, 171.—Ward, 1895, 328 (in Homo); 1903, 866.—Weinland, 1859, 281.

HEXATHYRIDIDUM Mont., 1888, 84, for *Hexathyridium*.

HEXATHYRIDIDUM Burm., 1856a, 251 (see *Hexathyridium*).

HIRUDELLA Poir., 1885, 5, 7 [not Muenster, 1842, leech], see *Hirudinella*.

HIRUDINELLA [Garsin, 1730, 58–59, fig., prelinnaean (m. marina); 1735, 261, pl. 4, figs. 1–3].—Blainv., 1824a, 518 (“*hirudinelle*”; “*J’admets ce genre pour les fascioles cylindriques qui ont quelque ressemblance avec les sangsues, et entre autres le fasc. clavata* Linn.”); 1828, 586 (type *clavata*) [not *Hirudinella* Gray, 1850, mollusk; not *Hirudinella* Muenster of Dies., 1850a, leech].—Baird, 1853a, 59.—Buttel-Reepen, 1902, 168.—Darr, 1902, 644, 648, 658, 662–699.—Dies., 1850a, 292.—*Encycl. méthodique*, Par., v. 2, 456. Lamouroux, 1825, 241.—Planque, —, 993, 221.—Poir., 1885, 5, 7 (*Hirudella*) [not *Hirudella* Muenster, 1842, renamed *Hirudinella* by Dies., 1850].—Stiles, 1901, 194 (type *Fasc. clavata*).

1885: *Hirudella* Poir., 1885, 5, 7 [not Muenster, 1842], for *Hirudinella*.

[*angusta* Muenster, 1842, 98, pl. 1, fig. 5.—Dies., 1850a, 471; 1859, 511.—Pictet, —, 457.—A leech.]

*clavata* (Menzies, 1791) Blainv., 1828, 586.—Baird, 1853a, 59 (includes *H. marina* Garsin, *Fasc. clav.* Menzies, *F. scombrici pelamidis* Tilesius, *F. coryphænae* Bosc, *Dist. clav.* Rud.).—Buttel-Reepen, 1902, 167, 168, 171, 185, 190, 191, 193, 195, 198, 202, 206, 209, 212, 214, 218 (syn. of *Dist. ventricosum*).—Darr, 1902, 649, 652, 657, 658, 667, 668, 669, 670, 676, 678, 680, 682, 687, 689, 690, 692, 696, 698–699, 1 fig., pl. 34, figs. 16–25, pl. 35, figs. 26–34.

*ingens* (Moniez, 1886) Darr, 1902, 687, 688.

*marina* Garsin, 1730a, 387–394, pl. 1, fig. 2 (in *Scomber pelamys*); 1732a, 43–44, 1 pl., 3 figs.—Baird, 1853a, 59 (= *clavata*).—Buttel-Reepen, 1900a, 586; 1902, 166, 168, 194, pl. 6, fig. 1.—Cobbold, 1879b, 461.—Darr, 1902, 663, 664.

[*tennis* Muenster, 1842, 99.—Dies., 1850a, 471 (a leech); 1859, 511.—Pictet, —, 457.]

*ventricosa* (Pallas, 1774) Baird, 1853a, 59–60 (includes *Fasc. ventr.* Pallas, *F. fusca* Bosc, *F. coryphænae hippuridis* Tilesius, *Dist. coryphænae* Rud., *D. clavatum* Owen).

**HIRUDO** Linn., 1758a, 644, 649 (type by Linnæan rule, medicinalis).—Several species of this genus have been placed in the trematodes; the genus is now confined to the leeches.—Dies., 1850a, 318 (of Braun, syn. of ?*Diplodiscus*), 425 (of Abildg., syn. of *Nitzschia* Baer), 426 (of Mueller, syn. of *Phylline* Oken), 427 (of Kroyer, syn. of *Udonella* Johnston), 433 (of Braun, syn. of *Astacobdella* Vallot), 439 (of Linn., syn. of *Ichthiobdella* Blainv.), 445 (of Mueller, syn. of *Malacobdella* Blainv.), 446 (of Mueller, syn. of *Clepsine* Savigny), 456 (auct., syn. of *Nephelis* Savigny), 461 (auct., syn. *Aulost. Moquin-Tandon*), 462 (auct., syn. of *Hæmopsis* Savigny et Moquin-Tandon), 465–471 (of Rai et Linn., syns. of *Sanguisuga* Savigny; *Iatrobella* Blainv.), 567 (of La Martinière, syn. of *Tetrarhynchus* Rud.), 583 (of Linné, syn. of *Schistocephalus* Crep.).

*fasciolaris* Mueller, 1788b, pl. 54, figs. 1–3 (is included in *Fasc. anatis* Gmelin, 1790a, 3055).—Dies., 1850a, 335 (syn. of *Dist. ovatum* Rud.).

*grossa* Mueller, 1788, 21–22, pl. 21.—Bruguière, 1791a, pl. 52, figs. 6–8.—Dies., 1850a, 445 (to *Malacobdella*).—Gmelin, 1790a, 3098.

*hippoglossi* Mueller, 1776a, 220 (t. h. *Hippoglossus*; Denmark); 1788a, 18, pl. 54, figs. 1–4.—Baer, 1827b, 676, pl. 32, figs. 5–6.—Dies., 1850a, 426 (to *Phylline*).—Fabricius, 1780a, 322, pl. 1, fig. 8.—Gmelin, 1790a, 3098.—Leuck., 1842a, 11.—Oken, 1815 (to *Phylline*).

*sturionis* Abildg., 1794b, 55–56, pl. 6, fig. 1, a–c (in Stören).—Cuvier, —, — (to Trist.).—Dies., 1850a, 426 (syn. of *Nitzschia elegans* Baer).—Gmelin.

*tuba* Braun, 1805, 49, pl. 5, figs. 5–8 (see Rud., 1809a, 348 = *Amphist. subclavatum*).—Dies., 1850a, 318 (syn. of *Diplodiscus subclavatus* Dies.).

**HISTRIOBELLA** Ben., 1858i, 2 pls.

**HISTRIONELLA** Bory de St. Vincent, 1823b, 356; 1825b, 252–253.—Braun, 1893a, 884.—Burm., 1856a, 250.—Dadai, 1888f, 84, 85; 1888g, 107.—Dies., 1850a, 286, 294 (of Bory syn. of *Malleolus* Ehrenberg), 299–300 (of Bory & Ehrenberg, includes *Cerc. Nitzsch*, *Brachionus* Schrank); 1855a, 378 (eyes), 392, 393 (syn. *Brachionus* Schrank); 1858d, 267.—Goldb., 1855, 16.—Moul., 1856a, 121, 124.—Nord., 1840, 617, 631.—Pag., 1857, 5, 24.—Wagener, 1857, 24.

—— Hemprich & Ehrenberg, 1828a, Entozoa, not paged, n. g. of *Cercozoorum*, type evidently ephemera; includes also alata.

*alata* Hemprich & Ehrenberg, 1828a (in water at Berlin, Germany).—Dies., 1850a, 300 (sp. inq.); 1855a, 392–393 (*Hab. primitivum ignotum*); 1858d, 268 (free; Berlin).

*annulicauda* Bory, 1825b, 253.—Dies., 1850a, 299 (syn. of *Histrionella lemna* Ehrenb.).

*bilineata* (Haldemann, 1840) Dies., 1850a, 300 (in *Linnæus catascopium*; Penn.); 1855a, 393 (in *Lynnæus* cat.); 1858d, 269 (in *Lynn. cat.*; Penn.).

*echinocerca* (Fil., 1857) Mont., 1888, 193, 194.—Dadai, 1888f, 85; 1888g, 108.—Dies., 1858d, 267–268 (larva of *Dist. appendiculatum* Rud.) (in *Buccinum linnæi*; Genoa).

*elegans* (Mueller, 1855) Dies., 1858d, 269 (syn. *Cerc. elegans* Mueller in Valette, 1855) (free).—Dadai, 1888f, 85, 86; 1888g, 108, 109.—Mont., 1888, 193, 194.

*ephemera* (?Nitzsch, 1807) Hemprich & Ehrenberg, 1828a, pl. 6, fig. 3.—Dies., 1850a, 299 (includes *Cerc. V. Baer*, 1827, 625, pl. 31) (in *Paludina vivipara*; *Regiomontii*; *Planorbis corneus*; April, Halle, Berlin); 1855a, 392 (in *Pl. corn.*, *Pal. vivip.*); 1858d, 244 (of Sieb. syn. of *Glenocerc. flava* Dies.), 267 (syn. of *Cerc. ephemera* Wagener) (of Ehrenberg larva of *Dist. trigonoccephalum* Rud.) (in *Pl. corn.*, *Pal. vivip.*).—Moul., 1856a, 204 (to *Cerc.*).—Sieb., 1843.

*fissa* Bory de St. Vincent, 1824, 456; 1825b, 252 [see Lamouroux, 1824a].—Dies., 1850a, 295 (syn. of *Malleolus furcatus*).—Moul., 1856a, 168 (is not syn. of *Cerc. furcata*).

*inquieta* (Mueller, 1786) [Bory de St. Vincent, 1825b, 253 (*Histrionelle inquiete*)].—Dies., 1850a, 300 (sp. inq.) (in aqua marina); 1855a, 393 (*Hab. primitivum ignotum*); 1858d, 268–269 (free, *Hafniæ*).—Pag., 1862, 298.

*lemna* (Mueller, 1773) Hemprich & Ehrenberg, 1828.—Dies., 1850a, 299–300 (includes: *Brachionus proteus* Schrank, *Cerc. major* Nitzsch, *Histr. annulicauda* Bory) (in *Lynnæus stagnalis*, *Planorbis carinatus*, *P. corneus*); 1855a, 392 (in *Lynn. stag. et Pl. corn.*); 1858d, 268 (in *Pl. carinatus*, *P. corn.*, *Lynn. stag.*).

## ISTRIONELLA—Continued.

*melanoglena* Dies., 1855a, 393 (*Melanoglena bipunctata* Eichwald renamed) (Hab. primitivum ignotum); 1858d, 245 (to *Glenocerc.*).

[*pupula* Bory de St. Vincent, 1825b, 252 (*Histrionelle pouppée*, *Enchelis pupula* Mull.).]

*setosicauda* Dadai, 1888f, 84–86, pl. 3, figs. 11, 13; 1888g, 107–109, pl. 3, figs. 11, 13.—Mont., 1888, 77 (*setosicaudata*); 1888, 193, 194 (*setosicaudata*).

*setosicaudata* Mont., 1888, 77; 1888, 195, 194 (for *setosicauda*).

## ISTRIONELLINA Dies., 1858d, 269 (type?).

*erythrops* (Dies., 1855) Dies., 1858d, 270 (in *Paludina impura*; Regiomonti).

*fixicauda* Dies., 1858d, 269–270 (syn. *Cerc. ocellata* Valette) (in *Lymnæus stagnalis*; Berlin).—Linst., 1878.

*melanops* (Dies., 1855) Dies., 1858d, 270 (syns. *Cerc. melanops* Dies.) (in *Paludina impura*; Regiomonti).

HOLOSTOMOM Erc., 1881e, 88, for *Holostomum*.

HOLOMETRA Looss, 1899b, 564 (tod. exigua); ὄλος, entire; ἡ μήτηρ, uterus.—Braun, 1902b, 5.—Pratt, 1902, 888, 896.—Rail., 1900, 242.

*erigia* (Mueh., 1898) Looss, 1899b, 564, 678–679, fig. 4 (in *Circus rufus*; Adelen Island, Nile, near Heluan).—Stoss., 1904, 11.

## OLORCHIS Stoss., 1901, 93 (5) (tod. m. pycnopus).

*pycnopus* Stoss., 1901, 92–93 (rep. 4–5), pl. 6, fig. 10 (in *Sargus salviani*; Triest).

## HOLOSTOMATIDÆ Gamb., 1896, 63, 67, 73.

## HOLOSTOMEÆ Brand., 1888a, 1–68, 72 pp. (family); 1889d, 241–245; 1890a, 590.

HOLOSTOMIDÆ E. Bl., 1847, 317.—R. Bl., 1888a, 541 (embraced in *Distomiens*).—Brand., 1888a, 63; 1890a, 549–604, pls. 39–41; 1891a, 415–416.—Braun, 1883a, 58; 1890a, 515; 1892a, 570, 696, 707, 774, 775; 1893a, 887, 890, 895, 899, 900; 1894l, 165–167; 1894m, 755; 1894k, 680–682 (development); 1895b, 136.—Heider, 1900, 21.—Hoyle, 1890, 539 (*Holost.*, *Hemist.*, *Eustemma*).—Jackson, 1888, 654 (*Holost.*; larval forms *Tetracotyle*, *Diplost.*, *Hemist.*).—Johnston, 1904a, 108–116 (from Australian birds), pls. 5–6; 1904b; 1904c, (VII, 12), 759–760; 1905 (I, 31), 13.—Looss, 1899b, 541, 543.—Mont., 1888a, 91; 1891, 109, 110; 1892, Oct. 7, 214 (f. of *Malacocotylea*).—Mueh., 1898, 18.—Pratt, 1902, 889–890, 908 (includes *Cyathocotylinae*, *Diplostominae*, *Hemistominae*, *Holostominae*).—Rettger, 1897, 224–225.—Schneidemuehl, 1896, 295.—Stiles & Haas., 1898a, 87.—Stoss., 1898, 20.

HOLOSTOMINÆ Mont., 1892, Oct. 7, 214 (subf. of *Holostomidae*).—Braun, 1893a, 890, 895, 903.—Mueh., 1898, 19.—Pratt, 1902, 890 (*Holostomum*).

HOLOSTOMA, see *Holostomum*.

HOLOSTOMUM Nitzsch, 1819, 399–401 (type by inclusion variable=*Planaria strigis*, type of *Strigea*); 1819, 35.—Baillet, 1866b, 99, 106.—Blainv., 1824a, 518 (*holostome*); 1828, 583–584.—E. Bl., 1847, 318.—Brand., 1888a, 8, 9, 10, 12, 13, 14, 17, 49, 50, 63; 1888b, 424–426; 1888, 954; 1889a, 67–68; 1890a, 576, 579, 590 (of Rud.).—Braun, 1883a, 40; 1892a, 570, 581, 600, 681, 715, 748, 792, 793, 794, 795, 797; 1893a, 844, 872, 879, 884, 886, 887, 890, 894, 895, 900, 902, 903, 905, 917; 1894, 166; 1895b, 132, 136.—Burm., 1837, 530; 1856a, 250.—Carus, 1863, 479.—Crep., 1839, 286, 287.—Dav., 1877, lxxix.—Dies., 1836, 237; 1850a, 287, 305 (of Nord., syn. of *Diplost.*), 307 (of *Nitzsch pars*, syn. of *Hemist.*), 312–317 (of *Nitzsch* syns.: *Plan.*, *Görze*, *Festuc.*, *Schrank*, *Fasc.*, *Gmelin*, *Strigea* *Abildg.*, *Amphist.* *Rud.*); 1858c, 312, 319–322.—Duj., 1845a, 364–366.—Dunglison, 1893, 533.—Eichwald, 1829a, 248.—Fischer, 1840, 156.—Fischder., 1902a, 6, 7 (=Strigea); 1903h, 487 (=Amphist. capite discreto), 490 (syn. of *Strigea*), 507.—Gamb., 1896, 73.—Goldb., 1855, 17.—Hoyle, 1890, 539.—Jackson, 1888, 643, 648, 652, 653, 654 (*Tetracotyle*, *Diplost.*; larval forms).—Johnston, 1904, 3 n. Australian sp. from birds.—Lamoureaux, 1822a, 194, 297 (syn. of *Amphist.*).—Leuck., 1863, 452, 524.—Looss, 1902m, 438, 439.—Lucbe, 1901, 175.—Macleay, 1886, 342.—Mont., 1888, 8, 34, 63, 68, 71, 72, 83, 84, 91, 95, 104; 1891, 101, 105, 109; 1892, Oct. 7, 214 (gen. of *Holostominae*); 1892, 709.—Moul., 1856a, 12, 15.—Nord., 1840, 626, 627–628.—Par., 1887, 329.—Pratt, 1902, 890, 908.—Schneidemuehl, 1896, 295.—Stoss., 1898, 51.—Tasch., 1879, 233.—Villot, 1898, 538; 1878, 19.—Wallenstedt, 1847, 7.—Wolf, 1903, 607.—See *Strigea*.

## HOLOSTOMUM—Continued.

- alatum* (Geze, 1782) Nitzsch, 1819, 399, 400, pl. 4, figs. 1-4 (syns. *Plan. al. Rud.*, *Plan. al. Geze*, *Dist. vulpina* Abildg.).—Baillet, 1866b, 106-107 (syn. *Hemist. al.*).—Ben., 1858a, 1861a, 179.—Blainv., 1828, 583.—E. Bl., 1841, 318-320, pl. 10, fig. 1.—Brand., 1888a, 10, 12, 38, 39, 60 (to *Hemist.*).—Cobbold, 1879b, 300.—Crep., 1829b, 66; 1839, 287.—Dav., 1877a, lxxix.—Dies., 1850, 308 (to *Hemist.*).—Duj., 1845a, 367, pl. 8, fig. D.—Dunglison, 1893, 533.—Gurlt, 1831a, 375, pl. 8, figs. 39-40.—Macleay, 1886, v. 10, 342.—Mehlis, 1831, 175.—Mont., 1891, 105.—Nord., 1840, 628 (syn. *Dist. al. Rud.*).—Stoess., 1890, 131.—Verrill, 1870, 173.—Ward, 1895, 341 (in *Canis familiaris*).
- anatis nigra* Dies., 1858c, 322, sp. inq. (based on Bellingham, 1844a, 340) (in *Anas* (*Oidemia*) *nigra*).—Brand., 1888a, 68 (syn. of *H. crenulatum* Cobbold); 1890a, 596.—Braun, 1893a, 903.—See also *crenulatum*.
- auritum* Duj., 1845a, 370 (t. h. *Strix flammea*; Rennes).—Brand., 1888a, 12.—Dies., 1850a, 312 (to *Hemist.*).
- bellinghamii* Cobbold, 1860a, 45, *falconum* renamed (in *Falco nisus*, *F. rufus*) Brand., 1888a, 68 (in *F. nisus*, *F. rufus*); 1890a, 596 (syn. *H. falconum* Dies.).
- brevicaudatum* Nord., 1832a, 52-53 (t. h. *Barbus communis*; Berlin); 1840, 618.—Braun, 1892a, 795.—Crep., 1839, 287.—Dies., 1850a, 306 (to *Diplost.*).—Duj., 1845a, 380.—Gescheidt, 1833a, 430.—Moul., 1856a, 220.—Steenstrup, 1842, 58.
- bulbosum* Brand., 1888a, 67; 1890a, 595 (in *Geronticus albigollis*, *Nauclerus fuscatus*).—Braun, 1893a, 903.
- bursarium* Nitzsch, in Giebel, 1857, 265 (t. h. *Falco peregrinus*).
- bursigerum* Brand., 1888a, 65 (in *Larus ridibundus*; Wien. Mus.); 1890a, 592, pl. 41, figs. 15-18.—Braun, 1892a, 586; 1893a, 903.—Stoess., 1891, 216; 1892, 65; 1898, 22.
- cinctum* Brand., 1888a, 34, 67 (in *Ardea* sp.; by Natterer); 1890a, 564, 594, pl. 41, figs. 21-22.—Braun, 1893a, 903 (Brazil).
- clavus* Mol., 1858, 128 (t. h. *Gadus merluccius*; Patavii); 1861, 196-197, pl. 1, figs. 9-11.—Brand., 1888a, 67; 1890a, 595.—Braun, 1893a, 874, 903.—Cobbold, 1879b, 462.—Dies., 1858c, 322 (in *G. merl.*).
- coniferum* Mehli in Crep., 1846, 138 (t. h. *Colymbus cristatus*).
- cornu* Nitzsch in Rud., 1819a, 89, 357 (t. h. *Ardea cinerea*) (to *Amphist.*).—Brand., 1888a, 66; 1890, 594 (in *Ardea* sp.).—Braun, 1893a, 879-903; 1894k, 682.—Dies., 1850a, 315 (syn. *Amphist. cornu* Rud nec Dies.); 1858c, 321 (*Amphist. cornu* Bellingham) (in *Ardea cinerea*, *A. herodias*, *A. stellaris*).—Duj., 1845a, 374.—Linst., 1877, 187.—Schlotthauber, 1860, 129.—Stoess., 1895, 37; 1897, 9; 1898, 22 (in *Ardea cinerea*, Rovigno; *A. purpurea*; Monfalcone).—Wedl, 1857, 253-254, pl. 1, fig. 19.—Westrumb, 1823, 394.—Wolffhuegel, 1900, 9, 12.—Reported also for *Accipiter nisus*, *Ardea garzetta*, *A. purpurea*, *Ciconia alba*.
- cornucopia* Mol., 1859, 287-288 (t. h. *Strix flammea*; Batavii); 1861, 196, pl. 1, fig. 8.—Brand., 1888a, 68 (in *Strix otus*); 1890a, 596 (in *Otis vulgaris*).—Braun, 1892a, 585, 610, 674, 784, 785, 786, 787, 792, 793, 794; 1893a, 903.—Dies., 1859c, 424 (*cornucopiae*).—Jackson, 1888, 652.—Linst., 1877, 188-191, pl. 13, fig. 20, pl. 14, figs. 29-30; 1885, 253-254, pl. 15, fig. 31; 1890f, 186 (*cornucopiae*); 1906, 14 (in *Strix flammea*).—Piana, 1898, 9.—Also reported for *Aegolius otus*.
- cornucopiae* Dies., 1859c, 424, for *cornucopia*.
- cornutum* (Rud., 1809) Duj., 1845a, 372-373.—Brand., 1888a, 68 (syn. *H. multilobum* Cobbold) (in *Charadrius pluvialis*); 1890a, 596 (of Dies.).—Braun, 1893a, 903.—Dies., 1850a, 316-317.
- corones* Dies., 1858c, 322 (in *Corvus corone*; Ireland).—Brand., 1888a, 68 (syn. of *H. dubium* Cobbold); 1890a, 596.—Braun, 1893a, 903.
- crenulatum* Cobbold, 1860a, 47 (in *Anas nigra*; Ireland).—Brand., 1888a, 68 (syn. of *H. anatis nigrae* Dies.) (in *Anas oidemia*); 1890a, 596 (in *Oidemia nigra*).
- cuticola* Nord., 1832, 43, 49-52, pl. 4, figs. 1-4 (in *Cyprinus carpio*, *C. brama*, *C. blicca*, *C. idus*, *C. rutilus*, *C. erythrophthalmus*), belongs to *Cryptostomum*; 1840, 618, 628.—Brand., 1888a, 11, 15.—Braun, 1892a, 795.—Crep., 1839, 287; 1846, 154.—Dies., 1850a, 306 (to *Diplost.*).—Duj., 1845a, 379-380.—Gescheidt, 1833a, 429.—Kroyer, 1838-40a, 21, 578; 1846-53a, 388, 399, 434, 446, 462; 1852-53a, index (*cuticula*, 1250) (in *Perca fluviatilis* L., *Abramis brama* L., *A. blicca* Bl., *Leuciscus erythrophthalmus* L., *L. rutilus* L., *L. idus* L.).—Moul., 1856a, 217-218, 220 (in *Perch*, *cyprinus*).—Pavesi, 1881, 615, 616 (in *Cobitis taenia*).—Steenstrup, 1842, 58.—Villot, 1898, 541.—Waldenburg, 1860, 5, 11.—Also reported for *Cyprinus vimba*.

## HOLOSTOMUM—Continued.

- cuticula* Kroyer, 1852–53a, 1250, for cuticola.
- denticulatum* (Rud., 1819) Duj., 1845a, 372, pl. 8, fig. a, 1, 2.—Brand., 1888a, 12.—Dies., 1850a, 311 (to Hemist.) (in *Alcedo ispida*; Rhedoni).—Villot, 1878, 19; 1898, 538.
- dubium* Cobbold, 1860a, 45 (in *Corvus corone*).—Brand., 1888a, 68 (syn. *H. coronæ* Dies.); 1890a, 596 (in *C. corone*).
- ellipticum* Brand., 1888a, 67 (in *Bubo magellanicus*; by Natterer); 1890a, 595.—Braun, 1893a, 903.—Linst., 1906, 15.
- erraticum* (Rud., 1809) Duj., 1845a, 373–374.—Baillet, 1866b, 107.—Brand., 1888a, 59 (of Linst., 1877c) (syn. of Hemist. pileatum), 63–64; 1890a, 571, 586, 591, pl. 41, figs. 3–4.—Braun, 1892a, 797; 1893a, 844, 874, 879, 903 (Brazil); 1894, 166.—Dies., 1850a, 313 (syns. *Strigæ anatis tadornæ* Viborg, *S. candida* Abildg., *Amphist. anatis tadornæ* Rud., *A. isost.* Rud., *A. erraticum* Rud., *H. macrocephalum* Crep.); 1858e, 320 (syn. *Amphist. isostomum* Bellingham) (in *Anas boschas fera*, *A. ferina*).—Erc., 1881e, 48–54, 88 (*Hollostomom*); 1882a, 284–290, 324.—Kowal., 1894, 2.—Linst., 1877, 188, pl. 13, figs. 18–19; 1906, 14 (in *Strix otus*, *Falco albicilla*).—Mont., 1888a, 71.—Ols., 1893, 8.—Par., 1899, 4; 1902, 4 (in *Querquedula circia*; Elba).—Piana, 1898, 4.—Also reported for *Alca torda*, *Anas boschas*, *A. crecca*, *A. fusca*, *Ascolopax gallinago*, *Colymbus arcticus*, *C. balticus*, *C. septentrionalis*, *Fuligula cristata*, *F. ferina*, *F. marila*, *Harelda glacialis*, *Limosa melanura*.
- eustemma* Brand., 1888a, 65–66 (in *Accipiter pileatus*; Brazil); 1890a, 593, pl. 41, fig. 25 (syn. *Eustemma caryophyllum* Dies.).—Braun, 1893a, 903.
- excavatum* (Rud., 1803) Nitzsch, 1819, 399, figs. 5–7 (in *Ardea nycticorax*).—Ben., 1868, 296, 300, pl. 2, figs. 6–8.—Blainv., 1828, 584.—Brand., 1888a, 12.—Braun, 1893a, 903; 1894k, 682.—Dies., 1850a, 309 (to Hemist.).—Duj., 1845a, 375.—Gamb., 1896, 63.—Leuck., 1879, 14; 1886d, 11.—Looss, 1892, 14.—Nord., 1840, 638.
- excisum* Linst., 1906, 12–15, pl. 1, figs. 14–16 (in *Egoliu otus*, *Strix flammea*).
- exiguum* Mehlis in Crep., 1846, 145 (t. h. *Cygnus musicus*).—Also reported for *Mergus merganser*, *M. serrator*.
- falconum* Dies., 1858e, 322, sp. inq. (based on Bellingham, 1844, 39) (in *Falco nisus* et *F. rufus*; Hibernia).—Brand., 1888a, 68 (syn. of *H. bellinghamii* Cobbold); 1890a, 596.—Braun, 1893a, 903.—Linst., 1883, 311.—See also *bellinghamii*.—Also reported for *Astur nisus*, *A. palumbarius*, *Circus rufus*.
- fragile* (Rud., 1819) Duj., 1845a, 378.—Brand., 1888a, 68 (in *Mergus merganser*); 1890a, 595, pl. 41, fig. 26.—Braun, 1893a, 903.—Crep., 1846, 141, 142, 144, 145.—Dies., 1850a, 315; 1858e, 321 (in *Colymbus glacialis*, *Anas nigra*) (*Amphist. fragile* Bellingham).—Kowal., 1896d, (2) 252 (in *Anas crecca*, *A. boschas* dom.; Dublany); 1904, (8) 23 (in *Mergus merganser*).—Linst., 1877, 188, pl. 13, fig. 17.—Par., 1901, 6.—Also reported for *Anas clangula*, *A. fusca*, *Anser albifrons*.
- fulvii* Johnston, 1904, 110–111, pl. 6, figs. 1–8 (in *Larus novæ hollandiæ* Stephens).
- isostomum* (Rud., 1814) Duj., 1845a, 377.
- lagena* Mol., 1858, 127 (t. h. *Strix passerina*; Patavii); 1861, 195.—Brand., 1888a, 68 (in *St. pass.*); 1890a, 596 (in *Glaucidium passerinum*).—Braun, 1893a, 903.—Dies., 1858e, 320 (in *St. pass.*).—Linst., 1906, 15 (in *Gl. pass.*).
- longicollis* (Rud., 1819) Duj., 1845a, 374–375.—Brand., 1888a, 64–65 (in *Botaurus stellaris*; Wien. Mus.); 1890a, 592, pl. 41, fig. 19.—Braun, 1892a, 586; 1893a, 903.—Crep., 1849, 69.—Dies., 1850a, 316; 1858e, 321 (in *Larus argentatus*) (syn. *Amphist. longicollis* Bellingham).—Leuck., 1863, 481.—Mol., 1859, 818 (in *Larus ridibundus*; Padua).—Mueh., 1898, 19.—Par., 1887, 330–331.—Stoss., 1890, 50; 1891, 216; 1895, 37; 1897, 9; 1901, 91 (3) (in *Botaurus stellaris*; Albana); 1898, 21–22.—Reported also for *Ardea alba*, *A. stellaris*, *Larus cachinnans*, *Xema ridibundum*.
- lyratum* Schlotthauber, 1860, 129 (in *Ardea cinerea*).
- macrocephalum* (Rud., 1803) Blainv., 1828, 584.—Baird, 1853, 47.—Brand., 1888a, 68; 1890a, 596.—Braun, 1891d, 424 (in *Aquila chrysaetos*, *Astur palumbarius*, *Circus æruginosus*, *C. cyaneus*, *Strix noctua*); 1893b, 185.—Crep., 1839, 288; 1846, 130.—Dies., 1850a, 312, 313 (of Crep. and Duj., syn. of *H. variabile* Nitzsch), 313 (of Crep. pars. syn. of *H. erraticum* Duj.); 1858e, 320 (of Crep., 1849, 1, 64, syn. of *H. variabile* Nitzsch).—Duj., 1845a, 368–369.—Fischder.,

## HOLOSTOMUM—Continued.

- 1901, 367; 1902a, 7 (Plan. strigis Gørze, 1782); 1903h, 490 (=strigis, type of Strigea, Amphist., Holost.).—Leuck., 1863, 460.—Linst., 1906, 14 (syn. *H. variabile* Nitzsch) (in *Buteo vulgaris*).—Shipley, 1905, v. 6 (1), 7 (type Strigea).—Stoss., 1890, 131; 1890, 50; 1891, 111; 1892, 66; 1896, 126; 1898, 21.—Also reported for *Falco buteo*, *F. nisus*, *F. palumbarius*.
- megalocephalum* Brand., 1888a, 67 (in *Stomias* sp.; by Natterer); 1890a, 595 — Braun, 1893a, 903 (Brazil).
- microstomum* (Rud., 1809) Duj., 1845a, 371.—Brand., 1888a, 68 (in *Corvus caryocatactes*); 1890a, 596 (in *Caryocatactes nuczifraga*).—Braun, 1893a, 874, 903 — Dies., 1850a, 314 (in *Corv. caryoc.*; *Gryphæ*).
- multilobum* Cobbold, 1860a, 46–47 (in *Charadrius pluvialis*).—Brand., 1888a, 1890a, 596 (syn. of *H. cornutum* Dies.).
- musculicola* Waldenburg, 1860, 12 (in *Cyprinus*, *Perca fluviatilis*).—Brand., 1888a, 15, 52; 1890a, 578.—Villot, 1898, 542.—Reported for *Abramis brama*, *Scaphiobranchius erythrophthalmus*.
- musculosum* Johnston, 1904, 112–114, pl. 7, figs. 4–9 (in *Sterna bergii* Licht.).
- nitidum* Leidy, 1856, 45 (t. h. *Rana pipiens*).—Brand., 1888a, 14, 68 (in *R. pip.*); 1890a, 595.—Braun, 1893a, 903.—Dies., 1858c, 321–322 (in *R. pip.*; *Phila.*); Staff., 1902, 724.
- ochreatum* Nitzsch, in Giebel, 1857, 265 (t. h. *Falco haliaëtus*).
- patagiatum* Crep., 1846, 135 (t. h. *Ardea stellaris*).
- pellucidum* Schlotthauber, 1860, 129 (in *Petromyzon fluviatilis*).
- pilcatum* (Rud., 1802) Blainv., 1828, 584.—Duj., 1845a, 377.—Ben., 1858a, 1861a, 179.—Brand., 1888a, 12.—Braun., 1893a, 903.—Crep., 1846, 137.—Dies., 1850a, 314–315.—Reported for *Sterna macrura*.
- platycephalum* (Crep., 1825) Duj., 1845a, 376.—Baird, 1853a, 48.—Brand., 1888a, 63 (syn. of *H. variegatum* Duj.); 1890a, 591.—Braun, 1891d, 424 (in *Larus ridibundus*); 1893a, 876; 1893d, 467; 1894, 166.—Crep., 1839, 287; 1846, 129, 136, 139.—Dies., 1850a, 313.—Mégnin, 1891a, 323 (in *Larus ridibundus*).—Much., 1898, 16.—Reported also for *Carbo cormoranus*, *Colymbus cristatus*, *C. rufogularis*, *Falco albicilla*, *Halieus carbo*, *Larus argentatus*, *L. canus*, *L. fuscus*, *Lestris pomarina*.
- podomorphum* Nitzsch, 1819, 399–400, figs. 8–10 (in *Falco haliaëtus*; Europe).—Brand., 1888a, 12; 18—, 62.—Dies., 1850a, 311 (to Hemist.) (in *F. hal.*; Halle).—Duj., 1845a, 370.
- rotundatum* Linst., 1877, 187–188 (in *Lanius collurio*).—Brand., 1888a, 66 (syn. *H. spherula* Duj.) (in *Lanius collurio*); 1890a, 593.
- serpens* Nitzsch, 1819, 400–401 (in *Falco haliaëtus*), figs. 17–22; in Rud., 1819a, 353–354 (t. h. *Falco haliaëtus*) (to Amphist. by Rud., 1819a, 88, 353; return to Holost. by Duj., 1845a, 371, and Dies., 1850a, 316); 1819, 399, 400–401, 4, figs. 17, 22.—Ben., 1858a, 1861a, 197.—Blainv., 1828a, 584.—Brand., 1888a, 11, 68 (in *F. hal.*); 1890a, 596; 1891b, 265.—Dies., 1850a, 316 (syn. *Amphist. ser.*).—Braun, 1892a, 586, 746, 751; 1893a, 903.—Giebel, 1857, 265.—Muel., 1898, 19.—Nord., 1840, 616, 628 (syn. *Amphist. ser.*).—Linst., 1904, 254.—Looss, 1893b, 810.—Sieb., 1835, 66.
- simpler* Johnston, 1904, 112, pl. 7, figs. 1–3 (in *Ardea novæhollandiæ* Lath.).
- spathaceum* (Rud., 1819) Duj., 1845a, 375–376.—Baird, 1853a, 48.—Brand., 1888a, 12.—Crep., 1846, 139.—Dies., 1850a, 310 (to Hemist.).—Erc., 1881e, 1882a, 290.—Nord., 1840, 628.—Stoss., 1898, 20.
- spathula* Crep., 1829, 50–54 (in *Falco buteo*, *F. nisus*, *F. lagopus*); 1839, 288; 1846, 129 (spelled *spatula* Dies., 1836, 240).—Brand., 1888a, 12.—Dies., 1850a, 310 (to Hemist.).—Duj., 1845a, 369–370.—Mehlis, 1831, 174–176.—Mol., 1840, 628 (*spatula*).—Stoss., 1898, 20.—Also reported for *Strix chryotus*.
- spatula* Sieb., 1835, 57.—Dies., 1836, 240, for *spathula*.—Baird, 1853a, 48 (in *Accipiter nisus*).
- spatulatum* (Rud., 1819) Duj., 1845a, 376.—Brand., 1888a, 12.—Cobbold, 1876, 97.—Dies., 1850a, 367 (to Dist.).—Kowal., 1898 (to *Echinost.*).—Nord., 1840, 628.—Stoss., 1892, 186.
- sphaerocephalum* (Westrumb, 1823) Dies., 1850a, 314 (in *Coracina scutata*; Brazil).—Brand., 1888a, 65 (syns. *Amphist. sph.*, *Holost. westrumbii*) (in *Aras moschata*); 1890a, 592–593, pl. 41, fig. 20.—Braun, 1893a, 903.—Wolffhügel, 1900, 9, 60.

## HOLOSTOMUM—Continued.

- spharula* (Rud., 1803) Duj., 1845a, 371-372.—Blochmann, 1892b, 650 (in *Corvus cornix*).—Brand., 1888a, 66 (syn. *H. rotundatum*) (in *Corvus cornix*, *C. corone*, *Lanius collurio*, *Oriolus cristatus*); 1890a, 593, 594, pl. 41, fig. 7.—Braun, 1893a, 904; 1894k, 681.—Crep., 1846, 132.—Dies., 1850a, 314 (in *Corvus cornix*, *C. corone*, *C. frugilegus*); 1858c, 321 (in *C. glandarius*).—Kowal., 1896d, 252 (2) (in *Corvus cornix* L.; Dublany); 1904, 23 (8) (in *Garrulus glandarius*).—Linst., 1877, 187.—Mol., 1858, 128; 1861, 196.—Mueh., 1898, 19.—Wolffhuegel, 1900, 9, 26, 33, 41.
- squamosum* Villot, 1878, 20-21, pl. 5, figs. 2-3 (in *Streptopelia interpres*).—Brand., 1888a, 18; 1890a, 577.—Linst., 1889.—Mont., 1888a, 23, 71.
- truncicollis* (Westrumb, 1823) Dies., 1850a, 316 (in *Falco rufus*).—Brand., 1888a, 66 (in *F. rufus*); 1890a, 594, pl. 41, fig. 23.—Braun, 1892a, 586; 1893a, 904.—Also reported for *Circus rufus*.
- vinciforme* (Rud., 1819) Brand., 1888a, 66; 1890a, 594 (in *Oriolus cristatus*).—Braun, 1893a, 904.
- urniceps* Schlotthauber, 1860, 129 (in *Falco pygargus*, int.).
- urnigerum* (Rud., 1819) Duj., 1845a, 378-379.—Baird, 1853a, 49 (syn. *Codonocephalus mutabilis* Dies.).—Brand., 1888a, 13.—Dies., 1836, 241; 1858c, 323 (of Wedl syn. of *Co. mut.*, type Dies.).—Hannover, 1864a, 5.—Moul., 1856a, 219 (in *Rana esculenta*).—Sieb., 1835, 57.—Sons., 1893, 190 (syn. of *Co. mut.* Dies.).—Wedl, 1857, 255.
- vaginatum* Brand., 1888a, 64 (in *Cathartes* sp. by Natterer); 1890a, 591, pl. 41, fig. 24.—Braun, 1893a, 904 (Brazil).
- variabile* Nitzsch, 1819, 400, pl. 4, figs. 11-16 (in owls; Germany), syn. *Amphist. macrocephalum* Rud.; in Giebel, 1857a, 265 (in *Strix aluco*, *Scelopax gallinula*).—Baird, 1853a, 47 (= *H. macroc.* Blainv.).—Brand., 1888a, 5, 32, 63, 68 (in *Strix aluco*); 1890a, 561, 590, 596, pl. 41, fig. 1.—Braun, 1892a, 699; 1893a, 879, 881, 904; 1894k, 682; 1895b, 11.—Crep., 1839, 288.—Dies., 1850a, 312-313 (syns. *Planaria teres* poro simplici Gaeze, *Festuc. strigis* Schrank, *Fasc. strigis* Gmelin, *Strigea Abildg.*, *Amphist. macrocephalum* Rud., *H. macrocephalum* Crep.) (in *Strix brachyotus*, *S. bubo*, *S. flammea*, *S. otus*, *S. aluco*, *S. passerina*, *S. tangmalini*, *Falco tinnunculus*, *F. apivorus*, *F. albicilla*, *F. naevius*, *F. gallicus*, *F. lagopus*, *F. cineraceus*, *F. rufus*, *F. haliaetus*, *F. buteo*, *F. peregrinus*, *F. pennatus*, *F. cyaneus*, *F. rustipes*, *F. imperialis*); 1858c, 320 (syns. *Amphist. macrocephalum* Bellingham, 1844; *H. macroc.* Crep., 1849) (in *Falco rufus*, *F. peregrinus*, *Ardea cinerea*, *Strix nyctea*, *S. pygmaea*).—Giebel, 1857, 265.—Hoyle, 1890, 539.—Kastenbaum, 1899, 244, fig. 33, 7.—Kowal., 1896d, (2) 252 (in *Buteo vulgaris* Bechst; Dublany); 1904, (8) 23 (in *Otus brachyotus*; Dublany).—Linst., 1877, 187; 1893, 279; 1905, 191; 1906, 14 (syn. of *H. macrocephalum*).—Mol., 1858, 127; 1859, 818 (in *Strix otus*); 1861, 194-195, pl. 1, figs. 6-7.—Mueh., 1898, 16, 19.—Nord., 1840, 626 (syn. of *Amphist. macrocephalum*).—Par., 1887, 329-330; 1899, 4; 1902, 3-4 (in *Acealon regalis*, *Asio otus*, *Circus cyaneus*; Elba).—Stoss., 1892, 66 (in *Falco peregrinus*; near Trieste); 1895, 37 (in *Circus aeruginosus*; *Accipiter nisus* at Trieste; *Syrnium aluco* in Dalmatia); 1896, 126 (in *Cerchneis tinnunculus*; Staranzano); 1898, 21.—Villot, 1898, 542 (adult of *Tetractyle colubri*).—Walter, 1866, 64 (*A. macrocephalum* Crep.).—Wedl, 1857, 252-253, pl. 1, fig. 18.—Wolffhuegel, 1900, 9, 11 (in *Vultur calvus*), 16, 17, 44.—Reported for *Aegolius brachyotus*, *A. otus*, *Aquila albicilla*, *A. imperialis*, *A. naevia*, *A. pennata*, *Archibuteo vulgaris*, *Ardea cineria*, *Astur nisus*, *Brachyotus palustris*, *B. variabilis*, *Bubo maximus*, *Buteo lagopus*, *Circus gallicus*, *Circus cineraceus*, *C. cyaneus* v. *hudsonius*, *C. rufus*, *Falco cyaneus*, *Nyctea nivea*, *Otus vulgaris*, *Pica caudata*, *Picus* sp., *Scelopax gallinula*.
- variegatum* (Crep., 1825) Duj., 1845a, 376-377.—Brand., 1888a, 7, 63 (syn. *H. platycephalum* Duj.).—Baird, 1853a, 48.—Braun, 1893a, 844, 904; 1894, 166, 167; 1894k, 681.—Crep., 1846, 139.—Dies., 1850a, 315.—Duj., 1845a, 376-377 (in *Larus maximus*).—Mueh., 1898, 16, 19-20, fig. 9.—Villot, 1898, 542 (adult of *Tetractyle ovata*).—Wolffhuegel, 1900, 9, 62.—Reported for *Alca torda*, *Anas boschas*, *Carbo cormoranus*, *Colymbus rufogularis*, *C. septentrionalis*, *Falco albicilla*, *Fuligula nyroca*, *Harelda glacialis*, *Larus argentatus*, *L. marinus*, *L. ridibundus*, *Podiceps cristatus*, *Uria troile*, *Xema ridibundum*.
- westrumbii* Cobbold, 1860a, 45 (*Amphist. sphaerocephalum* Westrumb, renamed) (in *Coracina scutata*; Brazil).



- HOMALOGASTER** Poir., 1883, 74-76, 79 (m. *paloniæ*) (*ὁμαλός*=flat; *γαστήρ*=stomach); 1885, 120.—Braun, 1892a, 568, 581, 645, 663; 1893a, 879, 886, 890, 892, 895, 904, 906, 918.—Fischder., 1901, 374; 1902a, 7, 46, 47; 1903h, 489 (in *Palonia frontalis*); 1903h & i, 630-631 (diagnosis, type *paloniæ*).—Gamb., 1896, 73.—Hoyle, 1890, 539.—Looss, 1895, 11; 1896b, 17; 1899b, 541; 1902m, 440.—Mont., 1888, 7, 12, 14, 35, 91, 103; 1892, Oct. 7, 214 (gen. of *Amphistomina*).—Piana & Stazzi, 1900, 523.—Pratt, 1902, 887, 892.—Shipley, 1905, v. 6 (1), 8.—Sons., 1895, 184, 186; 1896, 310.—Stiles, 1898a, 24.
- paloniæ* Poir., 1883, 74-76, pl. 2, figs. 1 a-b (t. h. *Palonia frontalis*; Java).—Braun, 1893a, 874, 907; 1893d, 466.—Fischder., 1901, 374; 1902a, (7) 47 (in *Palonia frontalis*; Java); 1903h, 630 (Dickdarm, *Palonia frontalis*; Java).—Giard & Billet, 1892a, 615.—Linst., 1889a, 21.—Sons., 1895, 184.—Stiles, 1898a, 24, 57, 72, 139, fig. 67.
- poirieri* Giard & Billet, 1892a, 615 (in cattle; Tonkin).—Fischder., 1901, 374; 1902a, 47-48 (in *Bos taurus*; Tonkin); 1903h, 630-631 (in Tonkin cattle).—Rail., 1893, 379.—Sons., 1895, 185.—Stiles, 1898a, 24, 67, 140.—Ward, 1895, 332 (in *Bos taurus*).
- HOMALOMETRON** Staff., 1904, May 3, 487 (m. *pallidum*); *ὁμαλός*, regular; *μέτρον*, mass.
- pallidum* Staff., 1904, May 3, 487 (t. h. *Fundulus heterochitus* L.; Woods Hole) (based on Lint., 1901, 422, pl. 32, fig. 354).
- HOPLODERMA** Cohn, 1903, 35-37 (m. *mesocœlium*).—Poche, 1907, 125 (Cohn not Michael, renamed *Pintneria*).
- mesocœlium* Cohn, 1903, 35-37, figs. 1-2 (in *Draco volans*; Eastern Java).
- (HORMOCERCARIA)** Dies., 1855a, 390, 394 (subg. of *Cerc.*) (type species *echinata*, or *echinatoides*) (corpus infra os collari echinis percurso cinctum).—Renamed (*Nephrocephala*), 1858.
- echinata* (Sieb., 1837) Dies., 1855a, 390-391; 1858d, 261. [See *Dist. echinatum*, type of *Echinost.*]
- echinatoides* (Fil., 1854) Dies., 1855a, 391-392; 1858d, 262. [Apparently type by elimination.] See, however, below, p. 385, Addenda.
- HYDRICUCULUS** McCrady, 1874a, 178 (m. *cuculus*, see sub *Bucephalus*) generic name abandoned by McCrady at date of publication.
- HYPOSTOMA** (Rud., 1809a, 36-37, 325-327) (nec *Hypostomus* Lac., 1803, fish) (type species probably *caryophyllinum* by Blainv., 1828a, 581); *ὄπισθ.* below; *στόμα*, mouth; originally a subg. of *Monost.*; see also (*Hypost.*).—Blainv., 1824a, 518 (*hypostome*, "C'est un genre bien douteux, peut-être un degré de développement"); 1828a, 581.—Crep., 1839, 285.—Looss, 1902m, 830.—Nord., 1840, 623.—Olfers, 1816, 48.
- caryophyllinus* (Rud., 1802) Blainv., 1828, 581.—Dies., 1850a, 328 (to *Monost.*).—Duj., 1845a, 360 (to *Monost.*).—Nord., 1840, 623 (to *Monost.*).
- (HYPOSTOMA)** Rud., 1809a, 36-37, 325-327, subg. of *Monost.* See *Hypostoma*.
- caryophyllinum* (Rud., 1802) Rud., 1809a, 325-326 (to *Hypost.* by Blainv., 1828, 581; returned to *Monost.* by Duj., 1845a, 360).
- cochleariforme* Rud., 1809a, 326-327 (= *Festuc. cyprinacea* Schrank, 1790, renamed) (in *Cyprinus barbus*).
- gracile* Rud., 1809a, 326 (t. h. *Salmo eperlanus*).
- HYPOSTOMATA** Rud., 1809a, 325, plural of *Hypostoma*.
- ICHTHYDIUM** Hemprich & Ehrenberg, 1828a (m. *Cerc. podura* Mueller; Nubia; Berlin), n. g. *Ichthydiorum*.
- ITYOGONIMUS** Luehe, 1899k, 538 (tod. *ocreata* Zed. = *lorum* Duj.; *ἵρυς*, margin, because of marginal position of genital pore); 1900, 557; 1901, 488.—Braun, 1900h, 6, 13; 1901i, 56; 1901, 897; 1902b, 129, 134.—Looss, 1900, 607; 1901, 206; 1902m, 755 (= *Cucullanus* Schrank), 839.—Pratt, 1902, 889, 907.
- ocreata* (Gaze, 1782) Braun, 1902b, 135.—[Luehe, 1899, 538 (= *Dist. lorum* Duj.).]
- KLEPSITROMIS** Hammerschmidt in Leuck., 1835a, 88 (m. *melolonthæ*) "das aber viele Aehnlichkeit mit *Distoma* zu haben scheint."
- melolonthæ* Hammerschmidt in Leuck., 1835a, 88, a drawing in Vienna.

**KÖLLIKERIA** Cobbold, 1860a, 31 (m. filicollae) (not Agassiz, 1862; not Mingazzini, 1891, protozoon).—Braun, 1893a, 885, 886 (Köllikeria), 894, 895, 908, 909, 911, 918; 1895b, 127, 136.—Gamb., 1896, 73.—Lint., 1901, 447.—Looss, 1899b, 536, 542, 543; 1901, 196.—Moniez, 1896, 83.—Mont., 1888, 92, 105; 1893, 149, 153, 154.—Pratt, 1902, 889, 908.—Schneidemuehl, 1896, 295.—Stiles & Hass., 1898a, 91, 98 (type Monost. filicollae Rud.).—Stoss., 1892, 4.—Tasch., 1879, 608.

1893: Köllikeria Braun, 1893a, 886, for Köllikeria.

*filicollis* (Rud., 1819) Cobbold, 1860a, 31; 1879b, 462.—Ariola, 1906, 186, to (Dist.) (in *Brama raii*).—Braun, 1893a, 912.—Sons., 1890, 143 (in *Brama raii*).

*okeni* Ariola, 1906, 186 (syn. Dist. *okeni* Koell.), for *okenii*.

[*staurocephali* Mingazzini, 1891, protozoon.]

(**KÖLLIKERIA**) as subg. of *Distoma*. See also as genus.

*dicorynum* (Dies., 1850) Stoss., 1886, 47, as doubtful member of subg. (in *Lampris guttatus*).

*filicollae* (Rud., 1819) Stoss., 1886, 58.

**LATIUSCULA** Goeze, 1782a, 41, 169–173 (a “Klasse” of Plan. Goeze, containing: *F. hepatica*, *Fledermausplattwurm*, *F. lucii*, *F. scorpii*, *F. luciopercae*, *F. percae cernuae*, *F. serrulata*, *F. farionis*, *F. salmonis*, *F. varica*, *F. platessae*, *F. blennii*).

**LECANE** Nitzsch, 1827, 69 (contains *Cerc. orbis*, *C. luna*).

**LECHRIORCHIS** Staff., 1905, Apr. 11, 691 (m. *primus*) *λέχριος*, oblique; *ὄρχις*, testicle) (resembles *Saphedera*, *Plagiorchis* and *Haplometra*).

*primus* Staff., 1905, Apr. 11, 691 (t. h. *Eutenia sirtalis* L.; Canada) (includes Dist. sp. of Staff., 1902, 482).

**LECITHASTER** Luehe, 1901n, 395, 396 (tod. *bothryophorus* Olss. of Looss), 479–480.—Odh., 1905, 357, 358, 359, 360, 366 (type *confusus* Odh. by Odh.).—Pratt, 1902, 889, 906.—Staff., 1904, 484.

*bothryophorus* (Olss., 1868 of Looss) Luehe, 1901n, 396, 480.—Odh., 1905, 357 (*bothryophorus*).—Staff., 1904, May 3, 484 (syn. *Apoblema mollissimum* Levin.) (in *Salmo salar* L., *Clupea harengus* L.).

*bothryophorus* Odh., 1905, 357, for *bothryophorus*, renamed *confusus*, 1905.

*confusus* Odh., 1905, 357, 358, 359 (made type of genus by Odh.) (syns. *L. bothryophorus* of Luehe, Dist. *mollissimum* Levin. of Stoss., *Apoblema mol. Levin.*), in intestine of *Aloea finta* of Mediterranean, and *Clupea harengus* of North Sea.

*gibbosus* (Rud., 1802) Luehe, 1901n, 480, in intest. of *Belone acus*, in Greifswald.—Odh., 1905, 356–359 (syns. Fasc. gib. Rud., 1802, 81, pl. 2, fig. 7; Dist. gib. Rud., 1809a, 404, pl. 6, fig. 8; *D. bergense* Olss., 1868, 43, pl. 5, fig. 93; *D. mollissimum* Levin., 1881, 59, pl. 2, fig. 4; *Lecithaster gib.* Luehe, 1901, 480; [not Dist. *bothryophoron* Olss., 1868, 42, pl. 5, fig. 92; not *D. mollissimum* Levin., of Stoss., 1889, 1–2; not *Apoblema mollissimum* (Levin.) Looss, 1896, 121, pl. 9, figs. 85–87]).—Nicoll, 1907, 72, 89–90 (syn. *L. mollissimus*) (in *Ammodytes tobianus*).

*mollissimus* (Levin., 1881) Nicoll, 1907, 89 (syn. of *L. gibbosus*).

**LECITHASTERINÆ** Odh., 1905, 360, 364 (includes *Lecithaster* and *Lecithophylum*).

**LECITHOBOTRYS** Looss, 1902h, 134, 135 (tod. *putrescens*).

*putrescens* Looss, 1902h, 135, 143, fig. 14 (in *Mugil auratus*).

**LECITHOCHIRINÆ** Luehe, 1901n, 481 (includes *Lecithochirium*, *Derogenes*, and *Lecithaster*).

**LECITHOCHIRINÆ** Nicoll, 1907, 89, for *Lecithochiriniæ*.

**LECITHOCHIRIUM** Luehe, 1901n, 395, 396 (tod. *rufoviride*), 397, 401, 473–478, 479, 480, 484.—Odh., 1905, 360, 362, 364; 1906, 59–66 (syn. *Synaptobothrium*).—Pratt, 1902, 889, 906.

*caudiporum* (Rud., 1819) Luehe, 1901n, 477–478.

*contra* Luehe, 1901n, 474, 476 (in *Conger conger*; Coll. Berlin).

*copulans* (Linst., 1904) Odh., 1906, 59–66 (syn. *Synaptobothrium copulans* Linst.).

*digitatum* (Looss, 1899) Luehe, 1901n, 396, 401, 474, 475, 478.

## LECITHOCHIRIUM—Continued.

- fusiforme* Luehe, 1901n, 476, 480, 485, fig. 3 (in *Conger conger*; Coll. Berlin).—Odhn., 1905, 349.
- grandiporum* (Rud., 1819) Luehe, 1901n, 474, 477.
- physcon* Luehe, 1901n, 478 (in *Lophius piscatorius*; Triest).
- rufoviride* (Rud., 1819) Luehe, 1901n, 396, 474–475, 476, 477, 478.—Nicoll, 1907, 72 (in *Anguilla vulgaris*).—Odhn., 1905, 350, 355; 1906, 63.
- LECITHOCLADIUM Luehe, 1901n, 395 (tod. excisum), 401–403, 474, 481, 485.—Cohn, 1902k, 47–68, 1 pl., 9 figs.—Nicoll, 1907, 84.—Odhn., 1905, 355, 356 (type excisum).—Pratt, 1902, 889, 906.
- barbatum* Cohn, 1902k, 47–54, 55, pl. 3, figs. 1–7 (in *Coryphæna*).
- excisiforme* Cohn, 1902k, 54–55, pl. 3, fig. 8 (in *Scomber scomber*).
- excisum* (Rud., 1819) Luehe, 1901n, 395, 398, 402, 403, 485, fig. 1.—Cohn, 1902k, 48, 54.—Odhn., 1905, 350.
- tornatum* (Rud., 1819) Luehe, 1901n, 403, 485, fig. 2.—Cohn, 1902k, 47, 48.
- LECITHODENDRIINÆ Looss, 1902m, 815.
- LECITHODENDRIINÆ Luehe, 1901, 173.—Stoss., 1904, 198.
- LECITHODENDRIUM Looss, 1896b, 86 (includes: *Dist. glandulosum*, *D. hirsutum*, *D. chefrenianum*, *D. pyramidum*, *D. obtusum*, *D. sphærulea*, *D. ascidia* Rud., *D. ascidia* Ben. (= *lagena* Brand.), *D. ascidioides*, *D. heteroporum* (probably); 1898, 453; 1899b, 547, 548, 551, 609–610, type *ascidia* Ben. = *lagena* Brand., 611, 612, 613, 617, 618, 619, 621, 622, 625, 636, 718; 1901, 194, 199, 200; 1902m, 768–775, 813, 814, 815, 816, 818, 820, 821, 822, 823, 824, 827, 831, 832, 835.—Braun, 1900f, in 387–391; 1901, 948; 1902b, 150.—Jægers., 1900, 740.—Odhn., 1900, 12.—Luehe, 1899, 535, 536, 537.—Pratt, 1902, 889, 904.—Staff., 1903, 827, 828; 1905, Apr. 11, 684.—Stiles, 1901, 183, 185, 196, 197, 200, 201, 202, 203.—Stoss., 1899, 7, 8.—Ward, 1901, 176.
- anticum* Staff., 1905, Apr. 11, 693 (t. h. *Vespertilio subtilis* Say; Canada) (*anticus*, foremost in ref. to ovary in front of acetabulum).
- ascidia* (Ben., 1873 [not Rud., 1819]) Looss, 1899b, 609, or Stoss., 1899, 8.—Braun, 1900, 224–225; 1900, 388.—Heymann, 1905, 85.—Kowal., 1902d, 26 (8).—Looss, 1907, Mar. 5, 484 (of Looss, 1899b, 715, syn. of *L. granulolum*).—Staff., 1905, Apr. 11, 692.
- ascidioides* (Ben., 1873) Looss, 1899b, 609, or Stoss., 1899, 8 (*intestino di diversi chiroterri*; Belgium, France).—Braun, 1900, 388.—Staff., 1903, 828.
- chefrenianum* (Looss, 1896) Looss, 1899b, 716, or Stoss., 1899, 8 (in *Rhinopoma microphyllum*; Egypt).—Braun, 1900, 225.—Staff., 1905, Apr. 11, 692 (syn. of *L. glandulosum*).
- chilostomum* (Mehlis, 1831) Braun, 1900, 220–223, 224, 225, 228, 230.—Staff., 1903, 828; 1905, Apr. 11, 692 (Mehlis of Staff. with *Dist. ascidioides* Ben., of Staff., 1903, 827, renamed *L. posticum*).—Stoss., 1904, 1.
- claviforme* (Brand., 1888) Stoss., 1899, 9 (in *Tringa alpina*; Halle).
- cordiforme* Braun, 1900f (23. Juli), 389 (in *Molossus* sp.; Brazil), 390, or 1900b, 225–227, 228, 233, pl. 10, figs. 4, 11 (in *Molossus* sp.).
- crassicollis* (Rud., 1809) Stoss., 1899, 9 (in *Anguis fragilis*; Triest, Hameln; *Salamandra atra*, *S. maculosa*, *Salamandrina perspicillata*; Toscana).—Looss, 1902m, 822, 823.—Luehe, 1900, 562–563; 1901, 173.
- glandulosum* (Looss, 1896) Looss, 1899b, 609, 716–717, or Stoss., 1899, 8 (in *Taphosus nudiventris*; Egypt).—Braun, 1900, 388; 1900, 225, 226.—Staff., 1905, Apr. 11, 692 (syn. *L. chefrenianum*).
- granulosum* Looss, 1907, Mar. 7, 483–484, fig. 4a–b (in *Vesperugo kuhli*; Cairo, Egypt) (syn. *L. ascidia* of Looss, 1899b, 715).
- heteroporum* (Duj., 1845a) Stoss., 1899, 9 (in *Vesperugo pipistrellus*; Hameln, Rennes).
- hirsutum* (Looss, 1896) Looss, 1899b, 609, 625, 716, 717, or Stoss., 1899, 9 (*intestino del camaleonte*; Alessandria).—Braun, 1900, 225; 1900, 388.—Staff., 1905, Apr. 11, 692.
- lagena* (Brand., 1888) Looss, 1899b, 609, 625, 636, 715–716, 718 (i. e., *ascidia* Ben.) (type of *Lecithodendrium*).—Braun, 1900, 225.
- macrolainus* (Linst., 1893) Stoss., 1899, 9 (in *Vesperugo pipistrellus*; Germany).

## LECITHODENDRIUM—Continued.

- nigrovenosum* (Bellingham, 1844) Luehe, 1899, 535.—Rizzo, 1902, 28 (in *Tropidonotus natrix*).
- obtusum* (Looss, 1896) Looss, 1899b, 609, or Stoss., 1899, 8 (intestino del camaleonte; Alessandria).—Staff., 1905, Apr. 11, 692.
- oviforme* (Poir., 1886) Stoss., 1899, 8 (in *Nycticebus javanicus*).—Staff., 1905, Apr. 11, 692.
- posticum* Staff., 1905, Apr. 11, 692–693 (t. h. *Vespertilio subtilis* Say; Canada) (*posticus*=hinder) (syn. *L. chilostomum* Mehlis of Staff., 1903, 827) (= *Dist. ascidioides* Ben. of Staff.).
- pyramidum* (Looss, 1896) Looss, 1899b, 609, or Stoss., 1899, 8 (in *Rhinolophus hipposcrepis*; Egypt).—Braun, 1900, 225; 1900, 388.
- rubellum* (Ols., 1868) Stoss., 1899, 9 (in *Labrus maculatus*).
- somaterix* (Levin., 1881) Stoss., 1899, 8 (in *Somateria mollissima*; Greenland).—Jameson, 1902, 151–161 (*Leveithodendrium*).—Nicol, 1906, 149 (*Leucithodendrium*).—Odhn., 1905, 311 (to *Gymnophallus*).
- sphæcula* (Looss, 1896) Looss, 1899b, 609, 610, 621, or Stoss., 1899, 8 (in *Rhinolophus hipposcrepis*; Egypt).—Braun, 1900, 225, 227; 1900, 388, 390.—Ward, 1901, 180.
- urna* Looss, 1907, Mar. 5, 485–486, figs. 5a–b (in *Vesperugo kuhli*; Cairo, Egypt).
- LECITHODENDRUM Pratt, 1902, 903 (misprint for *Lecithodendrium*).
- LECITHODESMUS Braun, 1902, 803 (m. *goliath*).—Odhn., 1905, 339, 344, 346, 347, 348.
- goliath* (Ben., 1858) Odhn., 1905, 342, 343, 344–346, 348, pl. 3, figs. 7–9, in *Balenoptera rostrata*, B. borealis.
- LECITHOPHYLLUM Odhn., 1905, 359–360 (tod. botryophorum).
- botryophorum* (Ols., 1868) Odhn., 1905, 359 (in *Argentina silus*).
- LECITHORCHIUM Lander, 1904a, 7, for *Lecithochirium*.
- LEIODERMA Staff., 1904, May 3, 486 (m. *furcigerum*) (not *Leioderma* Will.-Suhm, 1873, worm) (*λεῖος*, smooth; *δέρμα*, skin); 1905, 310.
- furcigerum* (Ols., 1868) Staff., 1904, 486 (in *Pseudopleuronectes americanus*, *Platysomatichthys hippoglossoides*, *Hippoglossoides platessoides*, *Cryptacanthodes maculatus*).
- LEPIDAPEDON Staff., 1904, May 3, 485 (m. *rachion*, from intest. of *Melanogrammus aeglefinus*; Canada) (*λεπίς*, scale; *δάπεδον*, pavement). See *Lepodora*.
- rachion* (Cobbold, 1858) Staff., 1904, 485.
- LEPIDOPHYLLINÆ Stoss., 1904, 198.
- LEPIDOPHYLLUM Odhn., 1902, 68–69 (m. *steenstrupi*).—Pratt, 1902, 889, 902.
- steenstrupi* Odhn., 1902, 68–69, fig. 3 (in *Anarrhichas minor* s. *pantherinus*; Coll. Copenhagen); 1905, 310 (in *A. lupus*, *Zoarces anguillaris*).—Staff., 1904, May 3, 487 (in urinary bladder, *Anarrhichas lupus* L.; Canada, *Zoarces anguillaris* Peck; Canada).
- LEPOCREADIINÆ Odhn., 1905, 328, 337.
- LEPOCREADIUM Stoss., 1904, 200–201 (tod. album).—Odhn., 1905, 328, 336, 337–338.
- album* (Stoss., 1890) Stoss., 1904, 200 (in *Cantharus orbicularis*; *Oblata melanura*).—Odhn., 1905, 336, 338.
- pegorchis* (Stoss., 1901) Stoss., 1904, 200.—Odhn., 1905, 338.
- LEPODERMA Looss, 1899b, Dec., 589–590, 592, 594, 595, 598, 599, 601 (tod. *ramlianum*) (orig. species: *ramlianum*, *cirratum*, *mentulum*, *lima* probably) (*τὸ λεῖος*, scale; *τὸ δέρμα*, skin); 1900, 558; 1900, 604, 607; 1907, Mar. 5, 483.—Braun, 1901i, 56, 58; 1901, 563; 1902b, 37 (syn. of *Plagiorchis* Luehe, 1899, 531).—Luehe, 1901, 487.—Stiles, 1901, 189.—Stoss., 1904, 2.
- cirratum* (Rud., 1802 [*cirrhatum*]) Looss, 1899b, 590.—Braun, 1902b, 43 (to *Plagiorchis*).
- mentulatum* (Rud., 1819) Looss, 1899b, 590.
- ramlianum* (Looss, 1896) Looss, 1899b, 589.
- LEPODERMATINÆ Looss, 1899b, 588, 591, 594; 1901b, 207; 1902m, 839, 841.—Luehe, 1900, 561; 1901, 173.—Odhn., 1902, 40.

- LEPODORA** Odhn., 1905, 332-337, 338 (m. *rachiaea*=*rachion* Cobbold).—See *Lepidapedon*.
- rachiaea* Odhn., 1905, 328, 332-338, fig. 3, pl. 2, figs. 12-15 (syns.: Dist. *rachion* Cobbold, D. *increscens* Ols., pars) (in *Gymnocanthus ventralis* on west coast of Spitzbergen; *Gadus aeglefinus*, G. *morhua*, on west coast of Sweden; *Merluccius vulgaris*).—Nicol, 1907, 71, 77-80, pl. 1, figs. 3-4 (in *Gadus aeglefinus*).
- LEPTALEA** Looss, 1899b, 627-628 (tod. *exilis*) (not *Leptalea* Klug, 1839, hymenopt.) (renamed *Emoleptalea* Looss, 1900, 602) (*λεπταλῆος*, thin, weak); 1900, 602.—Braun, 1902b, 69.—Stiles, 1901, 189.
- exilis* Looss, 1899b, 628, 719-720, figs. 37-38 (in *Bagrus bayad*; Cairo.)
- LEPTOCOTYLE** Mont., 1905, 70 (subg. of *Pseudocotyle*) tod. *Pseudocotyle minor* Mont.
- LEPTOPHYLLUM** Cohn, 1902h, 880 (m. *stenocotyle*).
- stenocotyle* Cohn, 1902h, 880-882, fig. 4 (in *Herpetodryas fuscus*; South America); 1903, 37.
- LEPTOSOMA** Staff., 1904, May 3, 484 (m. *obscurum* from *Lophius piscatorius*; Canada); *λεπρός*=slender; *σῶμα*, body) (not *Leptosoma* Leach, 1819, coleopteron; Risso, 1826, crustacean; Nardo, 1827, fish; Boisd., 1833, lepidopteron). *obscurum* Staff., 1904, May 3, 484 (*obscurus*=unknown) (t. h. *Lophius piscatorius*; Canada).
- LEUCERUTHRUS** Marshall & Gilbert, 1905, 477, 481-483, 484 (m. *micropteri*).
- micropteri* Marshall & Gilbert, 1905, 481-483, figs. 8-14 (in *Micropterus salmoides*, M. *dolomieu*; near Madison, Wis.).
- LEUCITHODENDRIUM** Shipley & Hornell (see under *L. somateriae*), 1904, 77, for *Lecithodendrium*.
- somateriae* (Levin., 1881) Shipley & Hornell, 1904, 77.
- LEUCOCHLORIDIA** Cobbold, 1876h, 211, plural of *Leucochloridiūm*.
- LEUCOCHLORIDIUM** Carus, 1835a, 86-100 (m. *paradoxum*).—Ben., 1858a, 1861a, 219.—Braun, 1883a, 56; 1891c, 215; 1892a, 769, 771, 775, 801, 814; 1893a, 855, 884.—Burm., 1856a, 250.—Crep., 1839, 301.—Dies., 1850a, 287, 303 (syn. *Vermis dubius heliciis putris* Rud.); 1855a, 397; 1858d, 276.—Duj., 1845a, 479.—Fil., 1855b, 25.—Goldb., 1855, 16.—Jackson, 1888, 651 (=Dist. *macrostomum*; in *Succinea amphibia*), 652.—Leuck., 1879, 99; 1886d, 75.—Looss, 1892, 128; 1894a, 245, 252.—Mont., 1888, 92, 94.—Moul., 1856a, 65, 87.—Pag., 1857, 6, 7, 9, 53.—Spengel, 1905, 258.—Stiles, 1901, 176.—Stiles & Hass., 1898a, 91, 95 (syn. of *Urogonimus* Mont.).—Tennent, 1906, 647, 650.—Vogt, 1878, 39.—Zeller, (1874), 564-578, pl. 48.
- 1893: *Urogonimus*.
- macrostomum* (Rud., 1803) Poche, 1907, 125.
- paradoxum* Carus, (1833a); 1835a, 86-100c (in *Succinea amphibia*, *Helix putris*; Saxony), pl. 7, figs. 1 —; —, 36.—[Ahrens, 1810, 292, pl. 9, figs. 12-19; 1818, 1467].—Bavay, 1902a, 200.—Braun, 1891c, 219; 1892a, 769, 772, 773, 806, 808; 1893a, 830, 855, 863; 1895b, 134.—Cobbold, 1879b, 436.—Crep., 1837, 325; —, 302.—Creutzberg, 1890a, 11.—Dies., 1850a, 303 (syn. *Vermis dubius heliciis putris* Rud.); 1855a, 397 (in *Succ. amph.*); 1858d, 276-277 (syn. *Cerc. exfoliata* Moul.) (in *Succinea amphibia*).—Duj., 1845a, 479.—Erc., 1881e, 55; 1882a, 291.—Gamb., 1896a, 65.—Heckert, 1887a, 456-461; 1887b, 603; 1888a, 49-50; 1889a, 66 pp., 4 pls.; 1889b, 357-362; 1890a, 42-43; 1891a, 189.—Hoyle, 1890, 540 (larva of Dist. *macrostomum*), fig. 4 C-D.—Leuck., 1863a, 521; 1879a, 95; 1886d, 72.—Looss, 1892, 120; 1894a, 236, 262; 1896, 140.—Mont., 1888, 76; 1892, Oct. 7, 187.—Moul., 1856a, 56, 65, 75, 87-90, 180 (*Cerc. exfoliata*), 181, pl. 5, bis, fig. 8; pl. 6, figs. 13, 14 (in *Succ. amph.*; *Helix*, *Limax*).—Nord., 1840, 548, 592, 631.—Piper, 1851, 313.—Poche, 1907, 125.—Rud., 1819a, 198, 568.—Schultze, (1871), 129.—Sieb., 1835, 77; 1835, 334; 1836, 49; 1853, 425-437, pl. 16 B; 1854, 14.—Steenstrup, 1842, 56; 1842, 103.—Stiles & Hass., 1898a, 95.—Tschudi, 1837, 75.—Vogt, 1852, 183, 191, fig. 66.—Wagener, 1857, 22, 23, pl. 33, figs. 1, 2-4.—Will.-Suhm, 1870, 4.—Zeller, 1874, 366-370; 1874, 200, Oct., 564-578, pl. 48; 1875, Feb., 162-164.
- vogtianum* Baudon, 1881, 145-147, pl. 5, fig. 5 (in *Succinea baudoni* Drouët).
- LEUCOCHLORIDIUM** Sieb., 1853, 425, for *Leucochloridium*.
- LEVITHODENDRIUM** Jameson, 1902, 151, misprint for *Lecithodendrium*.
- somateriae* (Levin., 1881) Jameson, 1902, 151-161, pls. 15-16.—Odhn., 1905, 333-334 (to *Gymnophallus*).

- LEVINSENIA** Stoss., 1899, 7, 9-10 (tld. brachysomum by Looss, 1899b, 622, and Luehe, 1899, 538) (not *Levinsonia* Mesnil, 1897, vermes).—Braun, 1900h, 6; 1900, 234.—Jägers., 1901, 982.—Looss, 1899b, 617, 620; 1902m, 703, 704, 705, 706.—Luehe, 1899, 538; 1900, 508; 1901, 488.—Odhn., 1900, 13; 1905, 314, 317.—Stiles & Hass., 1902d, 19-20 (renamed *Levinsoniella*, type brachysoma); 1905, July, 54.—Ward, 1901, May, 175, 176 (*Levinsoniella* Stiles), 181.
- brachysomum* (Crep., 1846) Stoss., 1899, 10.—Jägers., 1900, 736, 739 (*brachysoma*); 1901, 982.—Looss, 1899b, 620; 1902m, 704.—Ward, 1901, 175.
- macrophallos* (Linst., 1875) Stoss., 1899, 10 (in *Actites hypoleucos*, *Totanus fuscus*; Germany).—Looss, 1899b, 620.—Ward, 1901, 175.
- opacum* (Ward, 1894) Stoss., 1899, 9 (in *Amia calva*, *Cambarus propinquus*; Lake St. Clair: *Ictalurus punctatus*, *Perca flavescens*).—Looss, 1899b, 620.—Ward, 1901, 175 (type of *Microphallus*).
- pygmæum* (Levin., 1881) Stoss., 1899, 9, 10 (in *Somateria mollissima*; Greenland).—Jägers., 1900c, 732-740, figs. 1-3 (*pygmæa*); 1901b, 982 (type of *Spelotrema*).—Looss, 1899b, 620; 1902m, 705, 706, 784.—Nicoll, 1906, 522, 524 (*pygmæa*).—Odhn., 1900, 19, 20; 1905, 314 (to *Spelotrema*).—Ward, 1901, 175, 176.
- pygmæa similis* Jägers., 1900c, 737, figs. 1-3.—Luehe, 1900, 508.—Nicoll, 1906, 522.
- similis* (Jägers., 1900) Nicoll, 1906, 514, 519, 522-525, pl. 13, fig. 8 (syn. *Spelotrema simile* Jägers.) (in *Hæmatopus ostralegus*, *Larus argentatus*).
- LEVINSENIELLA** Stiles & Hass., in Ward, 1901, May, 176, 181, 182, 183, 184 (tod. *D.* brachysomum) (*Levinsonia* Stoss., 1899, not Mesnil, 1897, renamed); Stiles & Hass., 1902d, 19-20; 1905c, 54.—Jägers., 1901, 982; 1903a, 14, 15.—Looss, 1902m, 703, 704, 705, 706, 828, 830, 839.—Odhn., 1905, 314, 317, 318.—Pratt, 1902, 889, 902, 903.—Staff., 1905, Apr. 11, 684.
- brachysoma* (Crep., 1846) Stiles & Hass., 1902d, 20 (type).—Looss, 1902m, 705, 830, 831.
- pygmæa* (Levin., 1881) Staff., 1903, 824. —Type of *Spelotrema* 1901.
- LINGUATULA** Frelich, 1789a, 148 (n. serrata) [an arachnoid, formerly placed among the trematodes].
- caviæ* (Bosc, 1811) Blainv., 1828a, 532.
- crotali* (Humboldt, 1808) Blainv., 1828a, 532.
- denticulata* Rud., 1805. —Dies., 1850a, 616 (to Pentast.).
- integerrima* Frelich, 1791a, 104-105, host unknown.—Dies., 1850a, 412 (to Polyst.).—Rud., —, 93, pl. 2, figs. 9a-f. —Type of Polyst.
- lanceolata* (Chabert, 1787a) Blainv., 1828a, 532.—Dies., 1850a, 610) syn. of *Pentast. tænioides* Rud.).
- pinguicola* (Treutler, 1793) Nordmann, 1840, 594.—Dies., 1850a, 410 (to *Hexathyridium*).
- serrata* Frelich, 1789a, 148-150, pl. 4, figs. 14-15 (in hares).—Braun, 1903, 3. ed., 338 (larva of *L. rhinaria*).—Dies., 1850a, 616 (to Pentast.).
- renarum* (Treutler, 1793) Nordmann, 1840, 594.—Dies., 1850a, 410 (to *Hexathyridium*).
- LINGULA** L. —.—Rafinesque, 1815, 151 (genus of *Fasciolaria*).
- LINTONIA** Mont., 1904, Dec. 1, 117-124 (tod. papillosa); 1905, 70; 1905, 117.
- papillosa* (Linst., 1898) Mont., 1904, 118-122, 123, pl. 7, figs. 1-7; 1905, 116-123, pl. 7, figs. 1-7 (in *Gadus callarias*).
- LIOCERCA** Looss, 1902m, 732 (type bonnieri), 839 (*Liopyge*, renamed).
- 1899: *Liopyge* Looss, 1899b, 642 (tod. bonnieri), not *Liopygus* Lewis, 1891, insect.
- bonnieri* (Mont., 1893) [Looss, 1902m, 732].
- LIOLOPE** Cohn, 1902h, 877 (m. copulans).
- copulans* Cohn, 1902h, 877-880, figs. 1-3 (in *Cryptobranchus japonicus*; died in Europe); 1903, 39, 40, 41, fig. 4a-c.—Linst., 1904, 254.
- LIOPYGE** Looss, 1899b, 642 (not *Liopygus* Lewis, 1891, 385, insect) (tod. bonnieri); *λετος*=smooth, *ἡ πύγη*=das Hintere; 1900, 604 (renamed *Liocerca* Looss, 1902m, 732, 839).—Luehe, 1901, 481, 485.—Pratt, 1902, 889, 901, 905.—Stiles, 1901, 189.
- bonnieri* (Mont., 1893) Looss, 1899b, 642; 1902m, 732.—Luehe, 1901, 481.

- LOBORCHIS** Luehe, in Stoss., 1902, 578-582 (tld. by Luehe *mutabilis*), subf. *Allocreadiinae*.  
*fasciatum* (Rud., 1819) Stoss., 1902, 582.  
*gobii* (Stoss., 1883) Stoss., 1902, 582.  
*labri* (Stoss., 1886) Stoss., 1902, 582.  
*mutabilis* Stoss., 1902, 579-582, 1 fig. (in *Anguilla vulgaris*; Triest); 1903, 373.
- LOBOSTOME** Blainv., 1824a, 518 (type *Dist. laureatum* Rud.) ("Ce sont les fascioles cylindriques dont la lèvre de la ventouse antérieure est lobée, comme le dist. laureatum de Rudolphi"). Only the French form of the name was used. See *Crossodera*.
- LOPHOCERCARIA** Dies., 1858d, 243 (m. *fissicauda*).  
*fissicauda* Dies., 1858d, 243 (syn. *Cerc. cristata* Valette) (in *Lymnaeus stagnalis*; *L. palustris*, *Valvata piscinalis*, *Paludina impura*, *Planorbis submarginatus*; Berlin & Turin).—Linst., 1878a, 324.
- LOPHOCOTYLE** Braun, 1896b, 3, 7 (m. *cyclophora*), *Monocotylidae*.—Mont., 1903, 336 (*Anisocotylinae* subf.); 1905, 68-70.—Pratt, 1900, 646, 649, 650 (on skin of marine fishes), 655, fig. 19.—St.-Remy, 1898, 523, 540, 543.  
*cyclophora* Braun, 1896b, 3, 7, figs. 1-3 (in *Notothenia* sp.; Navarin, Puerto Toro).—Pratt, 1900, 655, 657, fig. 19.—St.-Remy, 1898, 543-544, fig. 4.
- LOPHOTASPIS** Looss, 1901i, 7 Nov., 624-625 (m. *L. adherens* Looss = *Aspidogaster vallei* (Stoss., 1899)); 1902m, 415, 418-430.—Pratt, 1902, 887, 892.  
*adherens* Looss, 1901i, 624-625 (in *Thalassochelys corticata*; Egypt); 1902m, 415, 418 (syn. of *L. vallei*).  
*vallei* (Stoss., 1899) Looss, 1902m, 415, 418-430, 442, 471, 791 (amphitypic) 868, pl. 21, figs. 1-9.—Odhn., 1902, 44.
- LORIFORMIS** Goetze, 1782a, 41 (= *Fasc. intestinalis* Linn., *Fasc. abdominalis* Goetze, *Ligula*), a "Gattung" of *Fasciola* Goetze.
- LOXOGENES** Staff., 1905, Apr. 11, 683 (m. *arcanum*); *λοξός*, bent sideways, oblique; *γενέω*, to produce).  
*arcanum* (Nickerson, 1900) Staff., 1905, Apr. 11, 683 (in *Rana catesbiana* Shaw; Canada) (syns.: *Dist. medians* Olss. of Staff., 1900, 412; *Dist. arcanum* Nickerson, 1900, 811; *Pleurogenes arcanum* of Pratt, 1902, 959; *Brandesia medians* of Pratt, 1902, 959), 685.
- LOXOSOMA** Keferstein, 1862a, 131-132 (m. *singulare*).—Ben., 1869a, 22 (syn. *Cyclatella*), a bryozoon, see also Braun, 1890a, 518.—Mont., 1888a, 88.—Tasch., 1879, 56.  
*annelidicola* (Ben. & Hesse, 1863) Prouho, 1891, 91-116, pl. 5, figs. 1-16 (in *Clyménien* de Saint-Vaast, la Hogue).—Sons., 1895, 119.  
*singulare* Keferstein, 1862a, 131-132, pl. 11, fig. 29 (*λοξός*, oblique; *σῶμα*, body) (*Capitella rubicunda*; St.-Vaast).
- LYPEROSOMUM** Looss, 1899b, 635 (for *porrectum*, *plesiostomum*, *longicauda*, *clathratum*); *λύπερος*, thin; tld. *longicauda*; 1902m, 770; 1907, Feb. 1, 125.—Braun, 1901h, 702; 1901, 946; 1902b, 97, 106 (type *longicauda*), 119.—Odhn., 1902, 38.—Pratt, 1902, 889, 904.—Stiles, 1901, 190, 191.  
*corrigia* Braun, 1901, 946 (in *Tetrao tetrax*); 1902b, 111, fig. 68.  
*lobatum* (Rail., 1900) Braun, 1902b, 110, fig. 67.  
*longicauda* (Rud., 1809) Braun, 1902b, 106, 111, fig. 65 (includes: *Dist. longicauda* Rud., 1809, 372; *D. macrourum* Rud., 1819a, 98; Linst., 1883, 309; 1886c; Dies., 1850a, 345; *D. (Dicrocoelium) macrourum* p. p. Stoss., 1892, 13; *D. longicauda* Much., 1896, 248, figs. 2, 9; *Dicrocoelium longicauda* Rail., 1900, 239).  
*rudectum* Braun, 1901g, 946 (in *Ibis caerulescens* Vieill.; Brazil); 1902b, 112, 113, fig. 69.  
*salebrosus* Braun, 1901g, 946 (in *Cypselus melba* Ill.; Coll. Vien.); 1902b, 113, fig. 70.  
*squamatum* Linst., 1906, 174, pl. 1, fig. 18 (in *Dissura episcopus*; Palatupana).
- MACRASPIIS** Olss., 1868 or 1869, 2-3 (m. *elegans*) (nec McL., ante 1835, *coleopteron*).—Braun, 1893a, 879, 886, 887, 888, 890, 891, 894, 896, 898, 917, 918; 1893b, 188.—Gamb., 1896a, 73.—Looss, 1902m, 428.—Mont., 1888a, 84, 91; 1892, Oct. 7, 196, 198, 213 (gen. of *Aspidobothridae*).—Nickerson, 1902, 602, 604, 606, 607, 612, 614, 615, 616, 617.—Odhn., 1902, 42, 43.—Pratt, 1902, 887, 891.—Tasch., 1879, 255.
- [*calcarata* Spinola, 1835, 130-132, insect.]

**MACRASPIIS**—Continued.

*elegans* Olss., 1868, 2-3 (in *Chimarra monstrosa*; Skagerrack).—Braun, 1893a, 875, 898; 1893d, 467 (in Ch. mon.).—Jägersk., 1899b, 197-214, figs. 1-9 (anatomy).—Looss, 1902m, 420.—Mont., 1892, Oct. 7, 196; 1893a, 37.—Nickerson, 1902, 614, 618 (in Ch. mon.; Europe).—Tasch., 1879, 255.

**MACROCERCUS** Hill, 1752a, 8.—Mueller, 1773, 64.—Nitzsch, 1827, 68 (contains *Cerc. gyrinus*, *C. gibba*).

**MACRODERA** Looss, 1899b, 604 (tod. *naja*) (not *Macroderes* Westwood, ante 1882, coleopteron) (renamed *Saphedera* Looss, 1902, 732); *μακρός*, long; *ἡ δέσμη*, neck; 1900, 605; 1902m, 732, 839 (syn. of *Saphedera*).—Luehe, 1900, 557, 561.—Odhn., 1902, 41.—Pratt, 1902, 888, 900.

*naja* (Rud., 1819) Looss, 1899b, 604; 1901, 658; 1902m, 732.—Luehe, 1900, 556.—Rizzo, 1902, 28 (in *Tropidonotus natrix*; Catania).

**MACRUROCHETA** Costa, (1864), 86-91 (? m. *acalepharum*).—Braun, 1889a, 364.—Par., 1894, 244.

*acalepharum* Costa, (1864), 86-91 (larva in *Acalephen*).—Mont., 1888, 77.—Par., 1894, 165 (syn. of *Cerc. setifera* Muel.) (in *Beroe* sp.; Naples), 481.

**MALACOBDELLARII** Mont., 1888, 94.

**MALACOBOTHRIA** Braun, 1893b, 188 (for *Malacobothrii*).

**MALACOBOTHRII** Burm., 1837, 529; 1856a, 243, 250.—Braun, 1890a, 515; 1893b, 188 (*Malacobothria*).—Mont., 1888a, 83.—Tasch., 1879, 233.

**MALACOCOTYLEA** Mont., 1892, Oct. 7, 213 (subo. of *Trematoda*); 1896, 162.—Braun, 1893a, 890, 891, 892, 895, 898 (*Malacotylea*), 917; 1893b, 188; 1895b, 136.—Gamb., 1896a, 73.—Looss, 1899b, 543.—Luehe, 1901, 488.—MacCallum, 1902, 636.—MacLaren, 1904, 579, 583, 599.—Muhl., 1898, 18.—Pratt, 1900, 645, 646, 647; 1902, 887, 891, 892 (includes: *Paramphistomidae*, *Fasciolidae*, *Schistosomidae*, *Holostomidae*, *Gasterostomidae*, *Didymozoonidae*, *Monostomidae*).—Stiles, 1898a, 27.—Ward, 1903, 864.

**MALACOTYLEA** Braun, 1893a, 898, for *Malacocotylea*.

**MALAKOKOTYLEA** Schneidemuhl, 1896, 295, for *Malacocotylea*.

**MALLEOLUS** Ehrenberg, 1838a, 465 (m. *furcatus*).—Burm., 1856a, 250.—Dies., 1850a, 286, 294-295 (syns.: *Vibrio* Mueller, *Cerc.* Nitzsch, *Histrionella* Bory) (mentions only *M. furcatus*); 1855a, 379, 395; 1858d, 270, 274.—Fil., 1854a, 6; 1857c, 22.—Goldb., 1855, 16.—Moul., 1856a, 121, 123-124.—Pag., 1857, 4, 5.

*furcatus* (Nitzsch, 1817) Ehrenberg, 1838a, 465.—Dies., 1850a, 294-295 (syns.: *Vibrio malleus* Mueller, *Zirkelthier* Eichorn, *Histrionella fissa* Bory, *Cerc. furcata* Nitzsch, *Cerc.* 6 Baer); 1855a, 395; 1858d, 274 (syns. *Cerc. furcata* La Valette) (in *Lymnaeus stagnalis* at Halle, *Paludina vivipara* at Berlin).—Moul., 1856a, 168 (to *Cerc.*).—Pag., 1857, 6.

**MANODISTOMUM** Staff., 1905, Apr. 11, 682-683 (m. *occultum*), *μαρός* = rare.

*occultum* Staff., 1905, Apr. 11, 682-683 (in *Diemycylus viridescens* Raf., *Rana virescens*; Canada) (= *Dist. sp.* Staff., 1902, 482; *occultus*=obscure).

**MARMOSTOMUM** Looss, 1900, 605 (misprint for *Harmost.* Braun).

**MAZOCRAES** Hermann, 1782a, 182 (m. *alosa*).—Braun, 1890a, 518.—(C'rf., 1896, 516.—Dies., 1850a, 421, 422.—Mayer, 1841a, 19.—Tasch., 1879, 239.—See *Octostoma*, *Octobothrium*).

1827: *Octobothrium* Leuck., 1827 or 28, 18 (*lanceolata* = *alosa*, type by inclusion), not *Octobothrium* Dies., 1850a, cestode.

1829: *Octostoma* Kuhn, 1829, 358-363 (*alosa*, type by inclusion).

1850: *Octocotyle* Dies., 1850a, 289, 421-422 (*lanceolata* = *alosa*, type by inclusion).

1858: *Octoplectanum* Dies., 1858c, 382 (*Octocotyle* 1850 renamed hence *alosa* type).

1894: *Octocotyle* Par., 1894, 594, misprint.

*alosa* Hermann, 1782a, 182, pl. 4, figs. 13-14 (in *Clupea alosa*).—Ben., 1858a, 1861a, 46 (syn. of *Octobothrium lanceolatum*).—Nordl., 1832a, 76 (syn. of *Oct. lanc.* Leuck., 1828).—St.-Remy, 1898, 545.—Tasch., 1879, 241, 244 (syn. of *Oct. lanc.*).

**MEGACETES** Looss, 1899b, 630-631 (tod. *triangularis*) (not *Megacetes* Thomas, 1859, coleopteron) (*μεγακήτης*=grossschlundig); 1900, Dec. 3, 602 (renamed *Eumegacetes*).—Braun, 1902b, 53, 92 (syn. of *Eumeg.*).—Odhn., 1902, 38.—Stiles, 1901, 189.



## MEGACETES—Continued.

*triangularis* (Dies., 1850) Looss, 1899b, 596, 631, 725-727, figs. 44-46; 1902m, 819 (=Eumegacetes emendatus Braun, 1901).—Braun, 1901, 568; 1902b, 51, 54, 93, 97 (syn. of Eumeg. em.).—Luehe, 1900, 565.

MEGADISTOMUM Staff., 1904, May 3, 488 (m. longum) (μέγας = great), 489.

*longum* (Leidy, 1851) Staff., 1904, May 3, 488 (in Esox masquinongy Mit.; Canada).

MELANOGLENA Eichwald.—Dies., 1850a, 650.

*bipunctata* Eichwald, —, 78, pl. 4, fig. 3.—Dies., 1850a, 650 (in aqua salsa, Revaliae).

MERISTOCOTYLE Rossbach, 1906, 374 (for Merizocotyle).

MERIZOCOTYLE Cerf., 1894k, 936-948 (m. diaphanum) (μερίζω = je partage) Tristomidæ; 1894, 571-572; 1895, 697; 1895m, 130; 1896, 539, 540; 1898b, 329-366, pls. 13-14; 1899a, 448.—Brand., 1898a, 215 (23).—Mont., 1899, 98, 103; 1903, 336 (Anisocotylinae subf.); 1905, 67, 68, 70.—Pratt, 1900, 646, 650.—Rossbach, 1906, 374 (Meristocotyle).—St.-Remy, 1898, 523, 540, 541-542.

1906: Meristocotyle Rossbach, 1906, 374, misprint.

*diaphanum* Cerf., 1894k, 936-948, figs. 1-6 (in Raja batis); 1894g, 949-954; 1895m, 129; 1895, 698-699; 1896, 539; 1898b, 329, 330-357, 358, 359, 360, 363, pl. 13, figs. 1, 3, 5, 8-11, pl. 14, figs. 1, 9 (in Raja batis).—Braun, 1896a, 1346.—Mont., 1899, 103.—Pratt, 1900, 655, 657, fig. 17.—St. Remy, 1898, 542, fig. 3.

*minus* Cerf., 1898b, 330, 357, 361, 363, pl. 13, figs. 2, 4, 6, 7 (in Raja sp.; Roscoff).—St.-Remy, 1898, 543.

MESAULUS Braun, 1902b, 23, 26 (m. grandis).

*grandis* (Rud., 1819) Braun, 1902b, 24, figs. 16-19 (syns.: Dist. grande Rud., 1819a, 676; Duj., 1845a, 446; Braun, 1901g, 564; Dies., 1850a, 346; Stoss., 1892, 2; D. convolutum (Brand.)).

MESOCOTYLE Par. & Perugia, 1889, Sept., 76-80 (m. squillarum), belongs between Dactylocotyle and Choricotyle.—Braun, 1890a, 546.—Cerf., 1895h, 920; 1896, 515.

*squillarum* Par. & Perugia, 1889, 76-80, 1 pl., figs. 1a-3a (in Bopyrus squillarum; Trieste).—Braun, 1890a, 549; 1891d, 421.—Cerf., 1898a, 302 (in Bop. sq.).—Stoss., 1898, 12.

MESOGONIMUS Mont., 1888, 15, 92, 105 (tod. Dist. reticulatum Looss, 1885; not Wright, 1879); 1892, Oct. 7, 214 (g. of Distominae); 1893a, 82, 155-157, 177.—R. Bl., 1891, 609, 610; 1895, 730.—Braun, 1892a, 696, 735; 1893a, 885, 886, 890, 892, 909, 911; 1895b, 138; 1899g, 485; 1900, 25, 31; 1900h, 2, 3, 4, 5; 1902b, 68, 129.—Looss, 1894a, 171, 173, 174; 1896b, 59; 1899b, 536, 538, 539, 542, 585, 649, 650.—Luehe, 1899, 538, 539, 540; 1900, 557.—Moniez, 1896, 89.—Odhn., 1902, 42.—Stiles & Hass., 1898a, 86, 91 (type D. reticulatum Looss).—Stoss., 1892, 4, 5, 31; 1898, 24.

*æqualis* (Duj., 1845) Stoss., 1892, 174 (in Strix perlata, S. flammea; Rennes).—Mont., 1893, 156.

*commutatus* (Dies., 1858) Sons., 1889, 283; 1891, 201-202 (in Gallus dom., Melcagris gallopavo).—Hass., 1896a, 3 (syns.: Dist. dimorphum Wag., D. commutatum Dies., D. columbae Mazzanti, Mesogonimus dimorphus (Wag.)) (in Gallus dom.).—Looss, 1894a, 174.—Mont., 1893, 156.—Rail., 1893a, 371 (=M. dimorphus (Wag.) Rail.).—Stoss., 1892, 175 (in Gallus dom., Pisa, Nizza; Melcagris gallopavo, Pisa).

*compactus* (Cobbold, 1859) Stoss., 1892, 31, 36 (in Mungos fasciatus).—Mont., 1893, 156.

*constrictus* (Leared, 1862) Mont., 1896, 32 pp., figs. 1-22; 1896, 141-172, pl. 7-8 (in Thalassochelys caretta).—Mingazzini, 1900, 156.—Mont., 1896, 141 pp., pls. 7-8 (in Th. car.).—Type of Hapalotrema, 1899.—See mistroides.

*dictyotus* Mont., 1893, 156, reticulatum Looss, renamed.

*dimorphus* (Wagener, 1852) Rail., 1890, 143; 1893a, 371.—Galli-Valerio, 1901c, 364 (in poule).—Hass., 1896a, 3 (syn. of M. commutatus (Dies.)).—Mont., 1893, 83, 156.

*heteroclitus* (Mol., 1858) Stoss., 1892, 174-175; 1892, 31-32.—Mont., 1893, 156.

*heterophyes* (Sieb., 1853) Rail., 1890, 143; 1890, 138; 1893, 370.—R. Bl., 1895, 737-739; 1900, 488.—Braun, 1903, 3 ed., 164 (to Cotylogonimus).—Manson, 1903, 3 ed., 664-665.—Mont., 1893, 89, 156.—Stoss., 1892, 31-32 (in Homo; Cairo).—Ward, 1895, 328 (in Homo); 1903, 870 (to Heterophyes).

## MESOGONIMUS—Continued.

- linguaeforme* (Dies., 1850) Stoss., 1896, 127–128 (includes *Dist. leptosomum* Ols., *D. caudatum* Linst.); 1898, 24 (in *Erinaceus europæus*; Triest).
- lorum* (Duj., 1845) Mont., 1893, 156.
- marginatus* (Rud., 1819) Stoss., 1892, 175 (in *Ardea* sp.; Brazil).—Mont., 1893, 156.
- pellucidus* (Linst., 1873) Neumann, 1892, 374.—Dolley, 1894a.
- pulmonale* (Baelz, 1878) Stoss., 1892, 32–33 [type of *Paragonimus* Braun, 1899] (syns.: *Dist. pulmonale*, *D. westermanni*, *D. ringeri*) (in Homo; China, Japan, Korea, Formosa).
- pulmonalis* (Baelz, 1883) Rail., 1890, 143.—Looss, 1894a, 174.—Mont., 1893, 83, 89, 156.
- [*reticulatus* (Looss, 1885).]
- ringeri* (Cobbold, 1880) Rail., 1890, 143 [=westermanii].
- westermanni* (Kerbert, 1878) Rail., 1890, 143; 1893, 369–370.—R. Bl., 1895, 739–740; 1895, 34–39; 1900, 488.—Braun, 1903, 3 ed., 155 (westermani) (to *Paragonimus*).—Mont., 1896, 168.—Vincent, 1890, 189.—Ward, 1895, 244, 328 (in Homo), 341 (in *Canis familiaris*); 1903, 867 (westermanii; to Parag.)
- MESOMETRA** Luehe, 1901d, 57–60 (tod. orbicularis), Monostomidae.—Looss, 1902m, 442, 780, 813, 824, 838.—Pratt, 1902a, 890, 910.
- brachyelia* Luehe, 1901d, 51, 55–57, 59, 60, figs. 4–5 (Monost. orbiculare of Par., e. p.) (in *Box salpa*; Genoa).—Looss, 1902m, 819.
- orbicularis* (Rud., 1819) Luehe, 1901d, 51–55, 56, 57, 59, 60, figs. 1–3.—Looss, 1902m, 819.
- MESOTRETES** Braun, 1900a, 229–230 (m. peregrinus).—Pratt, 1902, 889.
- Peregrinus* (Braun, 1900) Braun, 1900, 229–230, pl. 10, fig. 3.
- ETASTATICA** Leuck., 1889.—Braun, 1893g, 895, 900; 1893b, 188.—Gamb., 1896, 73.—Looss, 1899b, 543.—Ward, 1903, 865.
- ETORCHIS** Looss, 1899b, 564–566 (includes: *albidus* (tod.), *truncatus*, *complexus*, *conjunctus*, *crassiusculus*, *amphileucus*, *campula*) (*μερδ*, behind; *ὄρχης*, testicle); 1902m, 811.—Braun, 1902b, 5, 7, 9, 11.—Luehe, 1901, 474.—Pratt, 1902, 888, 896.—Rail., 1900, 242.
- albidus* (Braun, 1893) Looss, 1899b, 565.—Engler, 1904, 186.—Hollack, 1902a, 868.—Luehe, 1901, 171.—Stoss., 1904, 11.
- amphileucus* (Looss, 1896) Looss, 1899b, 565 (amphielucus); 1902m, 811.—Odhn., 1902, 152.—Stoss., 1904, 11.
- campula* (Cobbold, 1876) Looss, 1899b, 565.
- ceruleus* Braun, 1902b, 11, fig. 8 (in *Cairina moschata*; Brazil).—Stoss., 1904, 11.
- compascua* (Kowal., 1898) Kowal., 1902d, (5) 23 (in *Anas querquedula*; Dublany); 1904a, (8) 23.
- complexus* (Stiles & Hass., 1894) Looss, 1899b, 565.—Hollack, 1902a, 868.—Stoss., 1904, 11.
- conjunctus* (Cobbold, 1860) Looss, 1899b, 565.—Stoss, 1904, 11.
- crassiusculus* (Rud., 1809) Looss, 1899b, 565.—Braun, 1902b, 10.—Engler, 1904, 186.—Hollack, 1902a, 868.—Kowal., 1902d, 23 (5) (corrected to *M. xanthosomus* (Crep.) Braun, 1902) (in *Anas boschas domestica*).—Luehe, 1901, 171.—Stoss., 1904, 11.
- poturzyensis* (Kowal., 1898) Hollack, 1902a, 868.
- tener* Kowal., 1903, 517, fig. 1 (in *Mergus merganser*); 1904d, 19 (4) (in *M. merg.*).—Stoss., 1904, 11.
- truncatus* (Rud., 1819) Looss, 1899b, 565.—Braun, 1903, 3 ed., 160, fig. 108.—Engler, 1904, 186.—Hollack, 1902a, 868.—Odhn., 1905, 339.—Stoss., 1904, 11.—Ward, 1903, 864; 1903, 704.
- xanthosomus* (Crep., 1846) Braun, 1902b, 7, 10, figs. 4–7.—Kowal., 1903, 517; 1904d, 23 (8).—Stoss., 1904, 11.
- ICROBOTHRIUM** Ols., 1869, 3–5 (only positive, hence type species *apiculatum*), Tristomidae.—Braun, 1890a, 516, 518.—Cerf., 1898b, 362.—Looss, 1894, 9.—Mont., 1888a, 84, 88; 1891, 127, 128; 1903, 336 (*Pseudocotyle*); 1905, 70.—Pratt, 1900, 649, 655, fig. 16.—St. Remy, 1891, 213–223 (genital organs).—Tasch., 1879, 236 (syn. of *Pseudocotyle*); 1879, 49.

## MICROBOTHRIUM—Continued.

*apiculatum* Ols., 1869, 4, fig. 13 (in *Acanthias vulgaris*; Skagerrack).—Braun, 1891d, 422; 1893b, 176, 178.—Cerf., 1898b, 341, 342.—Looss, 1894, 9.—Mont., 1888a, 88; 1891, 127.—Pratt, 1900, 655, 657, fig. 16.—St.-Remy, 1891, 213–223, 1 fig. (in *Ac. vulg.*).—Tasch., 1879, 49.

*fragile* Ols., 1869, 4–5, as doubtful sp. (in *Raja batis*; Norway).—Mont., 1888a, 88; 1891, 128.—St.-Remy, 1891, 213 (in *Raja batis*).—Tasch., 1879, 49.

**MICROCOTYLE** Ben. & Hesse, 1863; 1864, 96, 112 (either *donavini* or *labracis* should be type).—Ariola, 1899a; 1899 [in 129–138]; —, 299.—Braun, 1890a, 414, 416, 426, 428, 445, 451, 454, 458, 468, 472, 477, 484, 485, 486, 489, 490, 494, 498, 499, 500, 511, 517, 523, 540, 546; 1891d, 422; 1893a, 890; 1896b, 7.—Cerf., 1895h, 918; 1896, 514; 1899a, 403.—Cunningham, 1887a, 278.—Gamb., 1896a, 73.—Goto, 1891a, 161, 169, 170, 178, 184, 186, 187; 1891c, 103; 1893a, 798, 799, 800, fig. 1; 1900, in 351–352.—Hawwell, 1892a, 459; 1892b, 150; 1893e, 114.—Hoyle, 1890, 537, 539.—Ijima, 1884c, 638, 639.—Jackson, 1888, 642, 644, 645, 646, 647, 648, 654.—Juel, 1889, 33.—Kerbert, 1881a, 573.—Lint., 1901, 414, 451 (sp.); 1905, 335, 370, 385, figs. 147–150 (sp. on *Cynoscion regalis*, *Pomatomus saltatrix*).—Lorenz, 1878a, 405–436, pls. 31–33.—Looss, 1885b, 5, 10, 15, 17, 18; 1892, 72.—MacLaren, 1904, 595.—Mont., 1888a, 7, 8, 11, 15, 34, 40, 52, 53, 55, 59, 60, 66, 86, 89, 101; 1892, Oct. 7, 213 (gen. of *Microcotylinae*); 1893, 110, 111; 1903, 336 (subf. *Microcotylinae*).—Par. & Perugia, 1890, 175–219, 3 pls.; 1890, 13; 1896, in 135–138, 2 figs; 1896 in 4 pp.; —, 653.—Pratt, 1900, 646, 650, 653, 655, 657, fig. 17, 660.—St.-Remy, 1898, 558–559.—Sons., 1891, 2 pp. (n. sp. in *Umbrina cirrhosa*).—Stoss., 1898, 14–15.—Tasch., 1879, 257; 1879, 40, 45, 46, 56, 58, 61, 62, 66, 69.

*acanthurum* Par. & Perugia, 1896, 2 (on *Brama rayi*; Genova).—Ariola, 1899, 5.—St.-Remy, 1898, 562.

*alcedinis* Par. & Perugia, 1890, 7; 1890, 744 (in *Smaris alcedo*; Genova).—Ariola, 1899, 4.—Braun, 1890a, 418, 541, 549, 552.—Goto, 1894a, 184.—Also reported for *Mæna trachini*, *M. vulgaris*.

*canthari* Ben. & Hesse, 1863; 1864, 113–114 (in *Cantharus griseus*).—Ariola, 1899, 4.—Braun, 1890a, 418, 541, 548, 550.—Lorenz, 1878a, 434.—Stoss., 1898, 15.—Tasch., 1879, 257 (in *C. gr.*).—Also reported for *Cantharus brama*, *C. lineatus*.

*caudata* Goto, 1894a, 186–187 (in *Sebastes* sp.; Mitsugahama).—Ariola, 1899, 4.—Heath, 1902, 117.—St.-Remy, 1898, 559.

*chiri* Goto, 1894a, 193–194 (in *Chirus hexagrammus*; Hakodaté).—Ariola, 1899, 4.—Heath, 1902, 117.—St.-Remy, 1898, 561.

*chrysophryi* (Ben. & Hesse, 1863) Braun, 1890a, 410 (*chrysophrii*), 418, 541, 548, 550.—Ariola, 1899, 5 (*chrysophrii*).—Lint., 1878a.—Mont., 1888a, 8 (*chrysophrii*).—Par. & Perugia, 1890, 8 (*chrysophrii*); 1894, 137 (in *Chrysophrys aurata*; Triest, Genova, Venice).—Stoss., 1891, 110; 1898, 15 (in *Chr. aur.*; Triest).—Tasch., 1879, 257 (in *Chr. vulgaris*).

*donavani* Mont., 1888a, 16, for *donavini*.

*donavini* Ben. & Hesse, 1863; 1864, 114–115, pl. 12, figs. 1–11 (in *Labrus donavini*).—Ariola, 1899, 4 (*donavani*).—Braun, 1890a, 410, 418, 498, 541, 548, 551.—Mont., 1888a, 16 (*donavani*).—Scott, 1905, 116–117, pl. 6, fig. 21 (in *Lab. bergylta* Ascan).—Tasch., 1879, 257 (in *Lab. don.*).

*draconis* Briot, 1904, Jan. 29, 126–127 (in *Trachinus draco* L.; Manche, North Sea).

*elegans* Goto, 1894a, 188–189 (in *Scombrops chilodipteroides*; Misaki).—Ariola, 1899, 4.—St.-Remy, 1898, 559–560.

*erythrini* Ben. & Hesse, 1863; 1864, 115–116 (in *Pagellus erythrinus*).—Ariola, 1899, 4.—Braun, 1890a, 418 (*erythrini*), 453, 498, 541, 548, 551.—Par. & Perugia, 1890, 8; 1894, 136 (in *Box boops*; Genova).—St.-Remy, 1898, 546.—Tasch., 1879, 257 (in *Pag. ery.*).

*erythrinis* Braun, 1890a, 418 (for *erythrini*).

*fusiformis* Goto, 1894a, 192–193, pl. 2, fig. 3, pl. 4, fig. 6, pl. 5, fig. 1 (in *Centronotus rubulosus*; Mitsugahama).—Ariola, 1899, 4.—St.-Remy, 1898, 561.

*hiatula* Goto, 1899a, 281–282, pl. 21, fig. 29 (in *Hiatula onitis*; Newport, R. I.).

*labracis* Ben. & Hesse, 1863; 1864, 112–113, pl. 12, figs. 12–18 (in *Labrax lupus*).—Ariola, 1899, 4.—Braun, 1890a, 418, 443, 477, 488, 498, 514, 541, 548, 551.—Gamb., 1896a, 58, fig. 25c.—Mont., 1888, 8, 16, 66; 1893, 111.—Par. & Perugia, 1890, 8, 12; 1894, 136–137 (in *Labrax lupus*; Genova).—Scott, 1905, 117, pl. 6, fig. 23.—Stoss., 1898, 15–16.—Tasch., 1879, 257 (in *Labrax lup.*).

## MICROCOTYLE—Continued.

- lichia* Ariola, 1899, 1-5, pl. 1, figs. 1-5 (in *Lichia amia*; Genova).
- longicauda* Goto, 1899a, 282-283, pl. 21, figs. 30-31 (in *Cynoscion regale*; Newport, R. I.).—Pratt, 1900, 657, 661, fig. 39.
- mormiri* Mont., 1888, 34, for *mormyri*.
- mormyri* Lorenz, 1878a, 425-434 (21-30), pl. 3, figs. 1-6 (on *Pagellus mormyrus*; Trieste).—Ariola, 1899, 4.—Braun, 1890a, 410, 418, 443, 452, 477, 488, 541, 548, 551.—Goto, 1894, 184.—Hoyle, 1890, 539-540, fig. 3c.—Jucl, 1899, 36.—Linst., 1889a.—Par. & Perugia, 1890, 745 (in *Pagellus mormyrus*); 1890, 8; 1894, 137 (Triest; Genova).—Mont., 1888, 10, 16, 30, 34 (*mormiri*), 66; 1893, 111.—Stoss., 1898, 16.—Tasch., 1879, 257 (in *Pag. morm.*; Trieste); 1879, 35.—Ziegler, 1883, 546.
- mugilis* Vogt, 1878, May 7, 327-332, pl. 14, fig. 3 (in *Mugil cephalus*; Roscoff).—Ariola, 1899, 4.—Braun, 1890a, 514, 541, 548, 551.—Goto, 1894a, 183 (in *M. ceph.*).—Par. & Perugia, 1890, 4, 8, 12; 1894, 136 (*M. ceph.*; Genova).—Sons., 1891, 253-254 (*mugylis*) (in *M. ceph.*).—Tasch., 1879, 257 (in *M. ceph.*; Roscoff).
- mugylis* Sons., 1891, 253-254, for *mugilis*.
- pancerii* Sons., 1891, 303-304 (in *Umbrina cirrhosa*; [?Pisa], Italy).—Ariola, 1899, 5.—Braun, 1893b, 184 (in *Umb. cirr.*).—Goto, 1894a, 184.
- pomatomi* Goto, 1899a, 278-279, pl. 21, fig. 27 (in *Pomatomus saltatrix*; Newport, R. I.).—Pratt, 1900, 660.
- reticulata* Goto, 1894a, 189-191 (in *Stromateus argenteus*; Mitsugahama).—Ariola, 1899, 5.—St.-Remy, 1898, 560.
- salpa* Par. & Perugia, 1890, 207, pl. 5, fig. 34 (in *Box salpa*); 1894 (at Genova).—Ariola, 1899, 5.—Goto, 1894a, 184.—Sons., 1891, 262 (in *B. sa.*).
- sargi* Par. & Perugia, 1890, 4, 7, 11 (*sargii*); 1890, 744 (in *Sargus rondeletii*; Genova); 1894 (in *Sargus rondeletii*, *S. annularis*, *S. salviani*; Genova).—Ariola, 1899, 4.—Braun, 1890a, 418, 514 (*sargii*), 541, 549, 552.—Goto, 1894a, 184 (in *Sargus annularis*, *S. rondeletii*, *S. vulgaris*).
- sargii* see *sargi*.
- sciaena* Goto, 1894a, 194-196 (in *Sciaena sina*; Mogi).—Ariola, 1899, 4.—Heath, 1902, 117.—St.-Remy, 1898, 561-562.
- sebastis* Goto, 1894a, 187-188 (in *Sebastes* sp.; Hakodati).—Ariola, 1899, 4.—St.-Remy, 1898, 559.
- stenotomi* Goto, 1899a, 279-281, pl. 21, fig. 28 (in *Stenotomus chrysops*; Newport, R. I.).—Pratt, 1900, 660.
- trachini* Par. & Perugia, 1889, 744-745 (in *Trachinus radiatus*; Genova); 1890, 744-745; 1890, 7, 10.—Par., 1894, 136, 594, 595.—Ariola, 1899, 4.—Braun, 1890a, 418, 541, 549, 552.—Briot, 1904, 127 (in *Tr. rad.*).
- truncata* Goto, 1894a, 191-192 (in *Pristipoma japonicum*; Mitsugahama).—Ariola, 1899, 4.—St.-Remy, 1898, 560.
- MICROCOTYLIDÆ** Tasch., 1879, 235, 237, 255; 1879, 69.—Braun, 1890a, 511, 516, 517, 523, 533, 540, 546.—Cerf., 1899a, 365, 452.—Hoyle, 1890, 539 (includes: *Axine*, *Microcotyle*, *Gastrocotyle*, *Aspidogaster*, *Cotylaspis*, *Aspidocotyle*).—Jackson, 1888, 654 (includes: *Axine*, *Microcotyle*, *Aspidogaster*, *Cotylaspis*).—Mont., 1888, 8, 10, 11, 13, 15, 16, 20, 30, 34, 37, 66, 86, 88, 89, 91, 101, 108; 1892, Oct. 7, 196, 197; 1903, 336 (raised from subf. to fam. rank; subf. *Microcotylinae* (g. *Microcotyle*); 2. *Axininae* (g. *Axine*, *Pseudaxine*, *Gastrocotyle*).—Par. & Perugia, 1890, 7.
- MICROCOTYLINÆ** Mont., 1892, Oct. 7, 213 (subf. of *Polystomidæ*); 1903, 336.—Braun, 1893a, 890.—Gamb., 1896, 73.—Pratt, 1900, 646, 653 (includes: *Microcotyle*, *Gastrocotyle*, *Axine*, *Pseudaxine*).—St.-Remy, 1898, 558.
- MICROLISTRUM** Braun, 1901f, 563 (tod. cochleariforme); 1902b, 55.—Pratt, 1902, 889.
- cochlear* (Dies., 1850) Braun, [1901f, 563;] 1902b, 58, 59, fig. 36 (syns.: *Dist. cochleariforme* p. p. Rud., 1819; Duj., 1845; Stoss., 1892, 37; *D. cochlear* Dies., 1850; Stoss., 1892; *D. diesingi* Cobbold, 1861).
- cochleariforme* (Rud., 1819) Braun, [1901f, 563;] 1902b, 56, 58, fig. 35 (syn. *Dist. cochleariforme* Rud., 1819; Duj., 1845; Dies., 1850; Stoss., 1892).
- spinetum* Braun, 1901f, 563 (in *Rhynchops nigra* L.; Brazil) (syn. *Dist. attenuatum* Brems. MS.); 1901, 895; 1902b, 56, 59, 60, figs. 37-39.

- MICROPHALLINÆ** Ward, 1901, 185.—Jägers., 1903a, 14.—Odhn., 1905, 318.—Pratt, 1902, 889, 903 (includes: *Microphallus*, *Levinseniella*).—Stoss., 1904, 198.
- MICROPHALLUS** Ward, 1901, 175–185 (m. *opacus*); 1902, 17 June, 361; 1903, v. 3, [71–83], 175–187, pl. 26, figs. 1–5.—Jägers., 1903a, 14.—Looss, 1902, 426.—Odhn., 1905, 317.—Pratt, 1902, 889, 903.—Staff., 1903, 824—Stiles & Hass., 1902d, 20.
- opacus* (Ward, 1894) Ward, 1901, 184.—Staff., 1903, 824.
- MICROPHARYNX** Jägers., 1897a, 707–714 (m. *parasitica*) [an ectoparasitic triclade turbellaria].
- parasitica* Jägers., 1897a, 707–714, figs. 1–3 (on *Raja clavata*, *R. laevis*; Kattegat) (? syn. *Microbothrium fragile*).—Braun, 1900, 70.—Graff, 1904, 457.—Staff., 1904, May 3, 482 (syn. *Pseudocotyle fragile* Olss.) (on *Raja laevis*; Canada).
- MICROSCAPHA** Looss, 1899b, 668, 669, 769 (tod. *reticularis*) [not *Microscapha* Le Conte, 1866, coleopteron] ἡ σκαφή=Kahn, Nachen; 1900, Dec. 3, 602 (renamed *Microscaphidium*).—Stiles, 1901, 189.
- linguacula* Looss, 1899b, 668, 766–767 (in *Chelonia mydas*; Egypt), 768, 772, 773, fig. 87.—Braun, 1901b, 38, 54, type of *Polyangium* 1902.
- reticularis* (Ben., 1859) Looss, 1899b, 668, 763–766 (in *Chelonia mydas*; Egypt), 767, 768, 770, fig. 81.
- sagitta* Looss, 1899b, 668, 770, 772–773, fig. 88 (in *Chelonia mydas*; Egypt).—Braun, 1901b, 38, 54, type of *Octangium* 1902.
- MICROSCAPHIDIINÆ** Looss, 1900, 605; 1902m, 696, 699, 841.—Pratt, 1902, 890, 909 (includes *Microscaphidium*, *Deuterobaris*).
- MICROSCAPHIDIUM** Looss, 1900, Dec. 3, 602 (*Microscapha* Looss, 1899, not Le Conte, 1866, renamed, hence type *reticulare*); 1901, 200; 1902m, 442, 630, 632, 634, 642, 643, 647, 649, 651, 652, 658, 660, 665, 666, 667, 668, 675, 677, 681, 684, 690–691, 694, 695, 696, 698, 699, 805, 811, 824, 879 (type *reticulare*).—Pratt, 1902a, 890, 909.
- aberrans* Looss, 1902m, 630, 677, 692–693, 697, 698, 879, 881, pl. 28, figs. 106, 117–121 (in *Chelone mydas*; Egypt).
- linguacula* (Looss, 1899) Looss, 1902m, 688 (to *Polyangium* as type), 694, 695, 696, 697, 698, 811.
- parallelum* Looss, 1901l, 622 (in *Chelone mydas*; Egypt); 1902m, 689 (type of *Angiodictyum*), 690, 696.
- reticulare* (Ben., 1859) Looss, 1901l, 622; 1902m, 630, 632, 662, 677, 689, 690, 691–692, 693, 694, 695, 696, 697, 698, 879, pl. 28, figs. 105, 107–116.
- sagitta* (Looss, 1899) Looss, 1901l, 621; 1902m, 627, 685 (to *Octangium* as type), 694, 695, 696, 811.
- MICROSCAPHINÆ** Looss, 1899b, 667; 1900, 605.
- MIMODISTOMUM** Staff., 1904, May 3, 488–489 (m. *augusticaudum*) (μῖμος=imitator). *augusticaudum* Staff., 1904, May 3, 488–489 (in *Lota maculosa* Le S., *Stitzostedion vitreum* Mit.; Canada).
- MIRACIDIUM** Braun, 1892a, 776, refers to the trematode embryo; not used as generic name.
- MONOCÆCUM** Staff., 1903, 822 (m. *baryurum*).
- baryurum* Staff., 1903, 822–824, figs. 1–3 (in *Necturus maculatus* Raf.; near Montreal); 1905, 682.—Linst., 1905, 418, 422 (*brachyurum*).
- brachyurum* Linst., 1905, 418, 422, misprint for *M. baryurum*.
- MONOCERCA** Wedl, 1861, 478–479 (m. *heterobranchi*).
- heterobranchi* Wedl, 1861, 478–479, pl. 3, fig. 39 (in *Heterobranchus anguillaris*; Cairo, Egypt).—Brand., 1888a, 15, 52; 1890a, 578.—Braun, 1892a, 796.—Linst., 1879a.
- MONOCERCE** Dies., 1855a, 384; 1858d, 243.—Mont., 1888a, 94.
- MONOCOECUM** Linst., 1905, 418, 422, for *Monocæcum* Staff.
- brachyurum* Linst., 1905, 418, 422, for *baryurum*.
- MONOCOTYLA** Blainv., 1828a, 556, Trematode fam. name, includes: *Axine*, *Branchiobdella*, *Capsala*, *Epibdella*, *Erpobdella*, *Geobdella*, *Glossobdella*, *Hippobdella*, *Iatrobdella*, *Ichthyobdella*, *Malacobdella*, *Nitzschia*, *Palæobdella*, *Pontobdella*, *Pseudobdella*.

- MONOCOTYLE** Tasch., 1878, 573, 574 (m. *myliobatis*); 1879, 57, 68; 1879, 236.—Braun, 1890a, 412, 415, 442, 484, 511, 516, 517, 523, 530, 531; 1893a, 890; 1896b, 7.—Cerf., 1894, 947; 1898b, 362.—Gamb., 1896a, 73.—Goto, 1893a, 798; 1894a, 229.—Hoyle, 1890, 539 (only one species, *myliobatis*) (in *Myliobatis aquila*).—Jackson, 1888, 653.—Mont., 1888a, 13, 34, 66, 88, 98; 1891, 108; 1892, Oct. 7, 213 (g. of *Monocotylidae*); 1903, 335 (subf. *Monocotyline*; f. *Monocotylidae*); 1905, 69.—Pratt, 1900a, 646, 650, 656, fig. 21.—St.-Remy, 1898, 523, 541.—Stoss., 1898, 9.
- ijima* Goto, 1894a, 230–232 (in *Trygon pastinaca*; Aug., Hiroshima).—Braun, 1896a, 1346.—Cerf., 1895m, 130; 1896, 539, 540; 1898b, 338, 341, 347, 352.—St.-Remy, 1898, 541.
- myliobatis* Tasch., 1878, 574 (in *Myliobatis aquila*; Naples).—Braun, 1890a, 418, 488, 494, 531, 548, 551.—Cerf., 1894, 948.—Hoyle, 1890, 539.—Linst., 1889.—Par. & Perugia, 1890, 6.—Par., 1894, no. 726, 1022, 1059, 1060.—Pratt, 1900a, 656, 657, fig. 21.—Sons., 1890, 173 (in *My. aq.*).—Stoss., 1898, 9.
- MONOCOTYLEA** Dies., 1850a, 288, 290, 331, 431 (tribus II of *Bdellidea* Blainv.), 649 (tribus I of *Myzelmitha*); 1858, 312, 329.—Braun, 1890a, 515.—Goldb., 1855, 17, 20.—Mol., 1858, 128; 1858, 288.—Mont., 1888, 83, 84.—Stiles & Hass., 1898a, 90, 91.—Tasch., 1879, 233, 234.—Weinland, 1859, 280.
- MONOCOTYLIDÆ** Tasch., 1879, 235, 236, 238; 1879, 68.—Braun, 1890a, 516, 517, 523, 526, 530; 1893a, 890; 1896b, 7.—Cerf., 1894, 946, 947, 948; 1898b, 361, 362; 1899a, 411.—Goto, 1899, 291.—Hoyle, 1890, 539 (includes: *Calicotyle*, *Pseudocotyle*, *Monocotyle*).—Jackson, 1888, 653 (includes: *Calicotyle*, *Pseudocotyle*, *Monocotyle*).—Mont., 1888, 15, 34, 86, 88, 97, 108; 1891, 108, 127; 1892, Oct. 7, 197, 213 (f. of *Eterocotylea*) (raised to fam. from subf. by Leuck.; contains: *Pseudocotyle*, *Callicotyle*, *Monocotyle*); 1903, 336 (includes subf.: *Monocotyline* (g. *Monocotyle*), *Pseudocotyline* (g. *Pseudocotyle*=*Microbothrium*), *Calycotyline* (g. *Calicotyle*), *Anisocotyline* (g. *Anoplodiscus*, *Merizocotyle*, *Lophocotyle*, *Dionchus*); 1905, 69, 70.—Pratt, 1900a, 646, 649 (includes: *Monocotyle*, *Calicotyle*, *Lophocotyle*, *Dionchus*, *Merizocotyle*, *Microbothrium*, *Pseudocotyle*).—St.-Remy, 1891, Dec., 480–481; 1891, Oct., 600.—Stoss., 1898, 8.
- MONOCOTYLIDES** St.-Remy, 1891, 225–227 (nervous system of); 1891, 480–481; 1891, 600; 1892, 1 Nov., 45–52, 2 figs. (anatomy of).
- MONOCOTYLINÆ** Gamb., 1896a, 73.—Mont., 1903, 335; 1905, 69.—St.-Remy, 1898, 522, 540.
- MONOGENA** Mont., 1888, 85, 95, 96 (for *Monogenea*).
- MONOGENEA** Haswell, 1892a, 457, 458, 460; 1893e, 127, 145 (for *Monogenea*).
- MONOGENEA** Ben., 1858 (*Monogénese*), see Brand., 1891d, 7, 9; 1894a, 305.—Braun, 1883a, 58; 1890a, 407, 473, 516, 517, 520, 522; 1891d, 421; 1893a, 888; 1893b, 187, 188; 1895b, 131, 136.—Carus, 1863, 477.—Cerf., 1894, 947.—Dieckhoff, 1891, 245–276, 1 pl.—Gamb., 1896a, 73.—Goto, 1893a, 801.—Haswell, 1892a, 457, 458, 460 (*Monogenæa*); 1893e, 127, 145 (*Monogenæa*); 1892, 150.—Hoyle, 1890, 539 (includes: *Tristomæ*, *Polystomæ*).—Kath., 1894a, 144.—Kholodk., 1899a, 148–149. Knoch, 1894a, 11.—Kofoid, 1899, 183.—Looss, 1892a, 116; 1893b, 819.—Mont., 1888, 85, 95, 96 (*Monogenea*); 1903, 334.—Odhn., 1902, 42, 43, 44; 1905, 370.—Pratt, 1900a, 645, 646.—Tasch., 1879, 234.
- MONOGENETICA** Haswell, 1893e, 144, 145.
- MONORCHEIDES** Odhn., 1905, 319–320 (m. *diplorchis*).
- diplorchis* Odhn., 1905, 318–320, pl. 4, fig. 1 (in *Lumprenus medius*; off Kings Bay, west side of Spitzbergen.)
- MONORCHEIDINÆ** Odhn., 1905, 320.
- (**MONORCHIS**) Mont., 1893, 149, subg. of *Dist.*, 150, 151 [type by absolute tautonymy *D. monorchis*] [not *Monorchis* Bastian; not *Monorchis*<sup>a</sup> Clerc., 1902, cestode].—Braun, 1893a, 894.—Looss, 1902i, 115–122; 1902k; 1903n; 1905h.—Luehe, 1900, 489.—Odhn., 1905, 319, 320.—Stiles & Hass., 1898a, 91, 98 (type by absolute tautonymy *monorchis*).
- pachysomus* (Eysenhardt, 1829) Mont., 1893, 151.—Looss, 1902i, 199, type of *Haplospilanchnus*.
- monorchis* (Stoss., 1890) Mont., 1893, 151.

<sup>a</sup> Cestode species: *cirrota*, *crassirostris*, *dujardini*, *filum*, *hirsutum*, *penetrans*, *pseudofilum*.

- MONORCHIS** (Mont., 1893), type *monorchis*.—Looss, 1902i; 1902k; 1903n; 1905h.  
*monorchis* (Stoss., 1890) Looss, 1902i, 117, fig. 1 (in *Cantharus orbicularis*, *Oblata melanura*; Triest).  
*parvus* Looss, 1902i, 118, fig. 2 (in *Sargus annularis*, *S. rondetii*; Triest).  
**MONOSICHYA** Braun, 1890a, 401. See *Monosichya*.  
**MONOSSICHYA** Cosmovici, 1887, supergeneric (includes *Monostomum*).—Mont., 1888a, 84, see *Monosichya*.  
**MONOSTAMA** Ménézin, 1890c, 88, 89, for *Monostoma*.  
**MONOSTOMA** <sup>a</sup> Zed., 1800a, 16, 147–160 (*Festucaria* Schrank, renamed, hence type *anatis*).—Andral, 1829, 617.—Baillet, 1866b, 107.—Bellingham, 1844a, 335–336.—Ben., 1858a, 1861a, 69; 1870, 363; 1870c, 142.—Ben. & Hesse, 1864, 61.—Blainv., 1828a, 582.—E. Bl., 1847, 303–304.—R. Bl., 1888a, 541, 542.—de Bonis, 1882, 103.—Brand., 1888a, 12; 1892, 504–511 (revision).—Braun, 1883a, 52, 59; 1890a, 514, 515; 1892a, 681, 696, 710, 722, 748, 768, 769, 770, 772; 1893a, 872, 879, 884, 886, 887, 890, 893, 894, 895, 896, 913, 914, 918; 1895b, 121, 128, 134, 137, 154; 1901, 561.—Bremser, 1824, 132.—Burns, 1837, 530.—Carus, 1863, 479.—Cef., 1894, 946; 1898b, 356 (sp. in *Cygnus muscus*).—Cohn, 1904, 235, 237.—Cosmovici, 1887a, 128, 129.—Crep., 1829, 1, 49 (*Monostomum*); 1839, 285.—Dav., 1877, 73.—Deslongchamps, 1824cc, 551, 555.—Dies., 1834a, 1231; 1850a, 287, 319–331 (syns. *Cucullanus* Mueller [*Cucullanus*], *Festuc. Schrank*, Fasc. Gœze, *Amphist. Rud.*, *Dist. Zed.*, *Monost. Zed.*), 400 (syn. of *Amphist.*), 411 (syn. of *Notocotyle*), 414 (syn. of *Aspidogaster* Baer), 609 (of Numan; syn. of *Pentast.*); 1855a, 380 (cf. *Cheilost.*), 384; 1855, 62; 1858c, 312, 324–329.—Duj., 1845a, 342–343.—Dunglison, 1893, 1174.—Eichwald, 1829a, 249.—Eiss, 1838, 23.—Fischer, 1840, 156.—Fischder., 1902a, 6.—Gamb., 1896a, 73.—Goldb., 1855a, 17, 27.—Gunther, 1858, 205.—Hahn & Lefèvre, 1884, 806 (of Rud.).—L'Herminier, 1826, 10.—Hoyle, 1890, 535, 539 (type *mutabile*).—Jackson, 1888, 644, 654.—Jägers., 1901, 979.—Joy, 1835a, 504.—Kholodk., 1898, 33, 34; 1899a, 153.—Kolenati, 1857, 11.—Kuech., 1855, 180.—Lamarck, 1816, 185–186.—Lamoureux, 1822a, 194.—Leuck., 1863a, 61, 66, 451, 524, 632–633; 1879, 78; 1886d, 34, 59, 64.—Linst., 1901, 2.—Looss, 1885b, 56; 1896b, 147; 1899b, 658; 1901, 192, 193 (*ocreatum* = *Dist. lorum* Meln.; *verrucosum* to *Notocotyle*; *bombyne* = *M. ellipticum* = *Dist. variegatum*; *mutabile* = type of *Cyclocelum*; *prismaticum* = type by elimination); 1902m, 562, 564, 566, 568 (*prismaticum* type after Looss, 1901, but a *distome* after Mont., 1892; *mutabile* type of *Cyclocelum* Brand. in 1892; type of *Monost.* by elimination after Luehe, 1901; see also Looss, 1902m, 707; *mutabile* might be type, Looss, 1902m, 719), 700, 701, 702, 703, 707, 710, 719, 720, 721, 728, 729, 730, 746, 812, 813, 842.—Luehe, 1901, 174, 175; 1901, 481.—Mayer, 1841, 4.—Moniez, [1899a], 159.—Mont., 1888, 7, 11, 64, 69 (*Monostomum*), 71, 73, 83, 84, 93, 106; 1892c, 514–534, figs. 1–22 (sp. in *Box salpa*); 1892d, 23 pp., 22 figs.; 1892, 31; 1892, Oct. 7, 183, 189, 199 (syn. of *Aspidogaster*) (of Rud.), 214 (g. of *Monostomidae*); 1892, 709 (*Monostomum*); 1893, 15, 25, 27, 105, 115.—Moul., 1856a, 12, 15.—Nord., 1840, 614, 622–623.—Olfers, 1816, 22, 48.—Par., 1887, 327.—Pratt, 1900a, 645; 1902a, 890.—Rail., 1891, 26.—Ratzel, 1868, in 19 pp.—Rud., 1809a, 5, 20–21, 36–37, 325, pl. 12, fig. 5; 1819a, 82, 340, 583.—Schneidemuehl, 1896, 295.—Schneider, 1866, 334.—Sieb., 1851, 20, 29.—Stiles, 1902a, 28.—Stoss., 1898, 63.—Tasch., 1879, 232, 233, 258 (syn. of *Aspidogaster* Baer); 1879, 611.—Villot, 1878, 19.—Vogt,

<sup>a</sup> *Monostoma* represents a complicated case, so far as its type is concerned, and well represents “a ship without a rudder.”

There can be no question but that *Monostoma* was a deliberate renaming of *Festucaria* 1788, the name being changed for purely subjective reasons. The fact that Zeder did not specifically mention the original species of *Festucaria* does not seem to bear upon the question, for he gave “die mir bekannten Arten,” and he refers to the original reference of *Festucaria*: thus the case is similar to *Taenia* Linn., 1758a, renamed *Alyschminthus* Zed., 1800. In our opinion the type must be the same as that of *Festucaria*, and this has been fixed by elimination to *Festucaria anatis*. The question whether or not this is a species inquirenda can not, so far as we see, come up at present. A deliberate renaming deserves to be treated in only one way and, logically, we see only one way to treat it.

Hoyle (in 1890, probably 1888, possibly earlier) designated *mutabile* as type of *Monostoma*. Looss (1901) by elimination designated *prismaticum* as type.

Had *Monostoma* not been a case of renaming, we should accept Hoyle's designation.

## MONOSTOMA—Continued.

- 1878, 9, 10.—Wagener, 1854, 10–11; 1883, 122.—Wallenstedt, 1847, 7.—Walter, 1892, 11 July, 248–250 (in intestine of turtle).—Wedl, 1855, 380, pl. 2a, fig. 14 (sp.).
- 1815: Monostomeus Rafinesque, 1815, 151, *Festucaria* renamed.
- 1829: Monostomum Crep., 1829, 1, 49, for Monostoma.
- 1888: Monostomum Mont., 1888a, 69, misprint.
- 1891: Monostoum Brand., 1891d, 19, misprint.
- 1892: Monostonum Mont., 1892, 709, misprint.
- 1904: Monostromum Linst., 1904, 254, misprint.
- acreatum* Stoss., 1892, 18, misprint for *ocreatum*.
- aculeatum* Linst., 1879b, 338 (in *Testudo graeca*; loc. not given); 1889.—Brand., 1892, 509.—Braun, 1893a, 915; 1899, 630; 1901a, 13, 14.—Looss, 1899b, 567.—Luehe, 1899, 528.—Mont., 1892, 686, 687, 697, 705, 715.—Stoss., 1895, 224 (=Dist. linstowi Stoss.); 1898, 43 (in Test. gr.; Triest).
- affine* Leidy, 1858, 110–111 (t. h. *Fiber zibethicus*; U. S. A.); 1904a, 111.—Brand., 1892, 510.—Braun, 1893a, 875, 915; 1893d, 466 (in F. zib.); 1901c, 344.—Dies., 1859c, 425.—Mont., 1892, 685, 696, 697, 698, 703, 711.
- album* Kuhl & van Hasselt, 1822a; 1824a, 311 (in *Chelonia midas*; Iles des Cocos).—Braun, 1899b, 721, 723–724; 1901a, 38, 44, 45–48, 52.—Crep., 1846, 146.—Dies., 1850a, 325 (=M. *trigonocephalum* Rud.).—Looss, 1899b, 667, 756, 762 (type of *Cricoecephalus*); 1902m, 531.—Shipley, 1900, 532.
- alveatum* Mehlis, in Crep., 1846, 142 (in *Anas fusca*, A. *glacialis*). 143 (in A. *leucophthalma*, A. *mollissima*, A. *penelope*), 144 (in *Cygnus musicus*).—Brand., 1892, 508.—Braun, 1893a, 879.—Cobbold, 1860a, 40.—Cohn, 1904, 229 (of Mueh., 1898) (syn. of M. *alveiforme* Cohn), 230.—Crep., 1846, 141, 142–144; 1851, 291.—Dies., 1850a, 331 (in *Anas fusca*, A. *glacialis*, A. *marila*, A. *mollissima*, A. *musicus*, A. *penelope*); 1858e, 328 (in *Anas anser ferus*).—Looss, 1899b, 662.—Mont., 1892, 38, 39, 41 (to *Notocotyle*); 1892, 706, 709.—Mueh., 1898, 19 (in *Fuligula marila*; Pillau); 1898, 31, 101–102, fig. 3.—Reported also for *Anas bernicla*, A. *cinereus*.
- alveiforme* Cohn, 1904, 230 (*alveatum* Mehlis of Mueh., 1898, renamed).
- amiuri* Staff., 1900, 402–403, fig. 2 (in swim bladder of *Amiurus nebulosus*); 1904, May 3, 495 (Canada).
- angustum* Schlotthauber, 1860, 129 (int. of *Scolopax gallinago*).
- arcuatum* Brand., 1892b, 507 (to *Cyclocolum*) (in aquatic birds), 508.—Braun, 1893a, 915; 1899, 467.—Looss, 1899b, 660, 661.—Stoss., 1902, 5, 6, 21, to *Cyclocolum* (syns. *Monost. mutabile* of Sieb., 1835, 49, pl. 1; Dies., 1858, 325; Dav., 1877a, lxxiii; Mueh., 1898, 31) (in *Anas clangula*; Berlin, supposed to be based on Brandes' orig. material) (also in *Anas dom.*; Berlin).
- armatum* Mayer, 1841a, 4, *Echinorhynchus* renamed.
- asperum* Nitzsch, in Crep., 1849a, 71 (in *Anas fuligula*); in Giebel, 1857, 265 (in *Mergus albellus*, *Anas clangula*).—Brand., 1892, 507.—Braun, 1893a, 871.
- asperum* Vaillant, 1863, 347–348 (in *Siren lacertina*).—Mont., 1892, 715.
- attenuatum* Rud., 1809a, 328–329 (t. h. *Scolopax gallinago*, ceca; Greifswald) (to *Monost. (Monost.)*); 1819a, 84.—Baillet, 1866b, 107.—Bellingham, 1844a, 336.—Brand., 1892, 508.—Braun, 1891, 90; 1891d, 434 (in *Anas boschas*); 1893a, 874, 879, 916.—Cobbold, 1860a, 40.—Crep., 1839, 285; 1846, 141–142, 144–145; 1849, 1, 71; 1851, 1, 290.—Dav., 1877a, lxxiii.—Dies., 1850a, 322–323; 1858e, 325 (in *Anas tadorna*, A. *penelope*, A. *albifrons*, A. *marila*).—Duj., 1845a, 350.—Hass., 1896a, 3 (syn. of *Notocotyle verrucosum* (Frœlich)).—Looss, 1896, 192; 1899b, 662, 663.—Luehe, 1898, 625.—Mol., 1859, 824–825 (in *Anas clangula*, A. *clypeata*, A. *ferina*, A. *fuligula*, A. *fusca*, A. *musicus*, *Anser dom.*, *Mergus merganser*, M. *serrator*).—Mont., 1892, 38, 39, 41 (syn. of *Notocotyle verrucosum* Frœlich); 1892, 706, 709.—Mueh., 1898, 31.—Nicol, 1906, 515 (in *Harelda glacialis*).—Olfers, 1816, 48.—Rail., 1893a, 338 (of Mol. = M. *mutabile* Zed.), 340 (of Rud. = *Notocotyle verrucosum*).—Schlotthauber, 1860, 129.—Reported also for *Anas glacialis*, *Anser cinereus*, *Cygnus musicus*, *Fuligula cristata*, F. *ferina*, F. *marila*.
- bijugum* Miescher, (1838a), pp. 28, pl. 1: 1838b, 154–158.—Baird, 1853a, 45.—Ben., 1858a, 1861a, 179, 188, 198, 200, 201.—Brand., 1891b, 265.—Dies., 1850a, 321 (syn. of M. *faba* Bremser).—Nordl., 1840, 616, 625 (syn. M. *faba*).—Sieb., 1839, 160–162.—Tasch., 1879, 608 (syn. of M. *faba*).



MONOSTOMA—Continued.

- bipartitum* Wedl, 1855, 378–380, 393, pl. 1a, figs. 11–13 (t. h. *Thynnus vulgaris*).—Ariola, 1902, 100, 101 (of Wagener, form 2, syn. of *Didymocystis reniformis*), 103 (of Wedl, and of Wagener, form 1, syn. of *Didymost. bipartitum*, type), 105 of Wagener, form 3, syn. of *Didymocystis wedli*).—Braun, 1892a, 573, 660; 1893a, 894.—Darr, 1902, 661.—Dies., 1858e, 327 (in *Thyn. vulg.*); 1859c, 426.—Gamb., 1896a, 71.—Leuck., 1863a, 453.—Mont., 1888a, 9, 93; 1892, 714.—Par. & Perugia, 1889 or 1890, 746 (syn. of *Didymozoon thynni* Tasch.); 1893, 2.—Stoss., 1898, 62.—Tasch., 1879, 72; 1879, 606, 611, 612 (syn. of *Didymozoon thynni* Tasch.).—Wagener, 1858, 250, 252–256, pl. 10, figs. 1–10 (in *Thynnus vulgaris*; Niceæ).
- blainvillæi* Cobbold, 1860a, 39 (*Monost. delphini* Blainv., renamed) (in *Delphinus dalei*).—Mont., 1892, 712.
- bombynæ* Zed., 1800a, xvi, 151, 160 (t. h. *Rana bombya*, lungs; Europe); 1803a, 190.—Baird, 1853a, 53 (= *Dist. variegatum*).—Dies., 1850a, 322 (syn. of *M. ellipticum* Rud.).—Looss, 1894a, 71 (syn. of *Dist. variegatum* Rud.); 1901, 192.—Rud., 1809a, 333 (= *M. ellipticum*).
- braunii* Cobbold, 1860a, 43 (*M. murænulæ* Rud.) (in *Coregonus murænula*).
- caouanæ* Kollar, in Braun, 1901b, 23 (syn. of *Enodiotrema megachondrum*) (in *Thalassochelys caouana*=*T. caretta*).
- capitellatum* Rud., 1819a, 83, 343 (to *Monost.* (*Monost.*)) (t. h. *Sparus salpa*; Naples).—Barbagallo & Drago, 1903, 411 (in *Box salpa*; Catania).—Brand., 1892, 509.—Braun, 1891d, 421; 1892a, 765, 766, 784, 786; 1893a, 915; 1893b, 178, 179.—Carus, 1884, v. 1, 112, 122.—Cobbold, 1860a, 42 (in *Box salpa*, *Scomber scombrus*).—Creutzburg, 1890a, 21.—Dies., 1850a, 326; 1858e, 327 (in *B. sal.*).—Duj., 1845a, 360–361.—Fil., 1855b, 25.—Florance, 1866a, 5.—Kroyer, 1838–40a, 595 (in *Scom. scom.*).—Leuck., 1863, 491, fig. 166; 1879, 39, fig. 16; 69; 1886d, 30, 69, fig. 16.—Looss, 1899b, 669; 1902m, 730 (as possible type of *Monost.*, if Rud., 1819, were taken instead of Linn., 1758).—Luehe, 1901, 59, 60.—Mont., 1892, 4–12; 1892, 16 (of Carus, 1884, 112, partim, Par., Setti, Stoss. = *M. stossichianum* Mont.); 1892, 685, 686, 687, 688, 689, 694, 695, 696, 697, 698, 699, 700, 702, 703, 704, 705, 716; 1893, 15, 24, 83, 84, 104, 115, 116.—Par., 1886, 5, 7; 1887, 489.—Setti, 1891, 4 (= *M. stossichianum* teste Mont.).—Stoss., 1883, 112, pl. 2, fig. 9 (= *M. stossichianum* teste Mont.); 1898, 64.—Wagener, 1857, 26, 27, 45, 101, pl. 19, fig. 5.—Will.-Suhm, 1873, 342.
- caryophyllinum* (Rud., 1802) Zed., 1803a, 189; to *Monost.* (*Hypost.*) by Rud., 1809a, 323.—Baillet, 1866b, 108.—Blainv., 1828a, [probably type of *Hypost.*].—Brand., 1892, 508.—Braun, 1893a, 915.—Bremser, 1824, 132, pl. 8, figs. 1–2.—Cobbold, 1858b, 156, pl. 31, figs. 2, 3 (in *Gasterosteus aculeatus*).—Crep., 1825a, 80; 1839, 285.—Dav., 1877a, lxxiii.—Dies., 1850a, 328 (in *Gast. acul.*, *Gyphie*; *Anas boschas* dom., Berlin).—Duj., 1845a, 360.—Gurlt, 1838, 229.—Kroyer, 1838–40a, 187 (in *Gast. acul.*).—Lamarck, 1816b, 186.—Mont., 1892, 717 (*caryophyllum*).—Nord., 1840, 623.—Olfers, 1816, 48.—Rail., 1893a, 339.—Risso, 1826, 262.—Rud., 1809a, 325–326, pl. 9, fig. 5; 1819a, 82.—Sieb., 1839, 169.—Verrill, 1870, 179 (of Bremser).
- caryophyllum* Mont., 1892, 717 (for *caryophyllinum*).
- cercatum* Ben., 1858a, 1861a, 179 [possibly lapsus for — ? —].
- cochleariforme* Rud., 1809a, 326–327, 410 (*Festuc. cyprinacea* Schrank, 1790, renamed) to (*Hypost.*) (in *Cyprinus barbus*); 1819a, 82–83.—Brand., 1892, 507.—Braun, 1893a, 916.—Dies., 1850a, 329 (syns.: *Festuc. cyp.*, *Dist. punctatum* Zed.) (in *Barbus communis*).—Duj., 1845a, 362.—Kroyer, 1846–53a, 333 (in *Barbus fluviatilis* Ag.).—Lamarck, 1816b, 187.—Mont., 1892, 685, 696, 698, 704, 716, 717.—Nord., 1840, 624 (syn. *Festuc. cyp.*).—Olfers, 1816, 48.—Stoss., 1890, 132.
- conicum* Zed., 1803a, 188 (*Festucaria cervi* Zed., 1790 renamed).—Dies., 1836, 247; 1850a, 401 (to *Amphist.*).—Fischder., 1901, 368 (syn. of *Paramphist. cervi*, type); 1902a, 11 (syn. of *P. cervi*); 1903h, 540.—Nitzsch, 1819, 398 (to *Amphist.*).—Nord., 1840, 627 (to *Amphist.*).—Rud., 1809a, 349 to *Amphist.*, 350.—Stiles, 1898a, 64.—Ward, 1895, 256 (to *Amphist.*), 332 (in *Box taurus*), 335 (in *Ovis aries*).
- constrictum* Dies., 1850a, 322 (t. h. *Abramis brama*; eye); 1855, 62, pl. 2, figs. 3–5; 1858e, 325.—R. Bl., 1888a, 542.—Brand., 1892, 511, to *Diplostomulum*.—Braun, 1893a, 871.—Kroyer, 1852–53a, 1223 (in *Abramis brama* L.).—Moniez, 1896, 154.—Mont., 1888a, 7; 1892, 716, 717.—Sramek, 1901, 108 (see *Dist. retroconstrictum*).

## MONOSTOMA—Continued.

- cornu* (Zed., 1800) Rud., 1819a, 85, 90, 345–346 (in *Ardea cinerea*, A. *nycticorax*).—Brand., 1892, 507.—Braun, 1893a, 916.—Dies., 1850a, 327.—Duj., 1845a, 349–350.—Mont., 1892, 706.
- cotti* Linst., 1889a, 80, based on Zschokke, 1884, 204–205 (in *Cottus gobio*; Lake Lemán), ? syn. *M. marænuhr*.—Braun, 1893a, 871.—Mont., 1892, 685, 716, 717.
- crenulatum* Rud., 1809a, 328, to Monost. (Monost.) (t. h. *Motacilla phœnicurus*; Greifswald); 1819a, 84.—Brand., 1892, 510.—Braun, 1893a, 915.—Dies., 1850a, 327.—Duj., 1845a, 348.—Lamarck, 1816b, 187.—Mont., 1892, 713, 714 (in *Lusciola phœnicurus*).—Nord., 1840, 624 (in *Mot. phœn.*).—Olfers, 1816, 48.—Stoss., 1898, 23.
- crucibulum* Rud., 1819a, 83, 342–343 to (Monost.) (t. h. *Murena conger*, *M. cassini* (*M. myroides*); Naples).—Dies., 1850a, 321–322; 1859c, 425, 437 (to *Gasterost.*).—Duj., 1845a, 363–364.—Kroyer, 1846–53a, 615 (in *Anguilla conger* L.).—Odhn., 1905, 305 (to *Prosorhynchus*).—Stoss., 1898, 60.—Tennent, 1906, 639, 640 (to *Gasterost.*).
- cucumerinum* (Rud., 1809) Braun, 1899f, 468.—Stoss., 1902, 9, 32 (to *Typhlocœlum*).
- cymbium* Dies., 1850a, 320 (t. h. *Himantopus wilsonii*; Caicari, Brazil); 1855a, 63, pl. 2, figs. 1–2; 1858c, 324.—Brand., 1892, 509.—Braun, 1892a, 642, 700; 1893a, 873, 915; 1893b, 179; 1901b, 48.—Loose, 1902m, 701.—Mont., 1892, 27 (syn. of *M. flavum*); 1892c, 683–718, figs. 1, 2, 4, 6, 8, 9, 10, 11; 1892, 707 (syn. of *M. flavum* Mehli); 1892, Oct. 7, 183; 1892f, 47 pp., 11 figs.; 1893, 19, 83, 84, 115, 116, 117.—Stoss., 1902, 4, 6, 7 (*cymbium*), 27, 28 (to *Hæmatotrephus*).
- cyprina* Leach in Johnston, 1865a, 35 (on *Cyprina islandica*; Plymouth), as syn. of *Malacobiella grossa*.
- cymbium* Stoss., 1902, 7, for *cymbium*.
- delicatulum* Dies., 1850a, 325 (Dist. *testudinis* Rud., 1819a, 121, renamed) (t. h. *Emys europæa*, *Halichelys atra*; Mus. Vien.).—Brand., 1892, 510.—Braun, 1893a, 915; 1899, 628; 1899b, 715, 721, 722; 1901b, 54.—Mont., 1892, 685, 714.—Also reported for *Emys lutaria*.
- delphini* Dies., 1850a, 330 (in *Delphinus dalci*) based on Blainv., 1825a, 141 and 1825b, 212–214 (on *Delphinus* sp.; Havre).—Ben., 1870, 358.—Braun, 1893a, 870.—Cobbold, 1879b, 421.—Mont., 1892, 711.—See also *M. blainvillei*.
- dubium* Cobbold, 1858b, 156, pl. 31, figs. 4–5 (t. h. *Gasterosteus spinachia*); 1879b, 463.—Brand., 1892, 511 (to *Monostomulum*).—Braun, 1893a, 871.—Mont., 1892, 717.
- dujonii* Braun, 1893a, 917, for *dujonis*.
- dujonis* Leuck., (1874), 419 (in *Halicore dujong*), teste Mont., 1892, 712.
- echinatum* Linst., 1878, 223–224, fig. 6 (in *Pandion haliaëtus*); 1889.—Brand., 1892, 509.—Braun, 1892a, 570, 586; 1893a, 915.—Mont., 1892, 685, 686, 687, 694, 697, 698, 699, 702, 705, 713, 714.
- echinostomum* Dies., 1850a, 326 (t. h. *Cathartes aura*, *Sula fusca*; Brazil) (includes Dist. *planicolle* Rud., 1819a, 686, from *Pelecanus sula*; Brazil); 1855, 63, pl. 2, figs. 14–16; 1858c, 327.—Brand., 1892, 506.—Braun, 1892a, 584; 1901, 567; 1902b, 28 (syn. of *Anoictost.* (?) *planicolle*).—Mont., 1888, 8, 14; 1892, 706, 710.
- elaphi* (Gmelin, 1790) Zed., 1800a, xvi, 150.—Fischder., 1902a, 11 (syn. of *Paramphist. cervi*); 1903h, 504, 506.—Rud., 1809a, 350 (= *Amphist. conicum*).—Stiles, 1898a, 64.
- ellicticum* Mont., 1892, 715 (for *ellipticum*).
- ellipticum* Rud., 1809a, 333 (Mon. *bombyne* Zed., 1800, renamed) to (Monost.); 1819a, 84–85 (in *Bufo igneus*, Berlin; B. *cinereus*), 344–345.—Baird, 1853a, 53 (= Dist. *variegatum* (Rep.).—Blainv., 1828a, 582.—Brand., 1892, 507.—Braun, 1893a, 876, 881, 915.—Bremser, 1824c, pl. 8, figs. 12–14.—Cobbold, 1860a, 41.—Dies., 1850a, 322 (in *Bombinator igneus*, Berlin; *Phryne vulgaris*) (syn. *M. bombyne* Zed.). 355.—Duj., 1845a, 359.—Eichwald, 1829a, 249.—Loose, 1894a, 71, 72, 80 (syn. of Dist. *varieg.* Rud.); 1899b, 660; 1901, 192 (*M. bombyne*).—Mont., 1892, 715 (*ellicticum*).—Nord., 1840, 625.—Olfers, 1816, 48.—Par., 1894, 168.—Schlotthauber, 1860, 129.—Sieb., 1835, 56.—Stoss., 1889, 62 (= Dist. *varieg.*); 1898, 35; 1902, 5.—Reported for *Bufo igneus*, *B. vulgaris*, *Rana bombina*, *R. esculenta*.
- expansum* Crep., 1842, 327 (t. h. *Aquila haliaëtus*).—Brand., 1892, 508.—Braun, 1893a, 915.—Dies., 1850a, 321 (in *Falco haliaëtus*; *Gryphæ*).—Duj., 1845a, 345–346.—Jägers., 1901b, 979–983, 1 fig. (to *Tocotrema*); 1902a, 356–357; 1903a, 1.—Mont., 1895, 685, 686, 694, 696, 697, 698, 699, 700, 703, 713, 714.

## MONOSTOMA—Continued.

- jaba* Bremser in Schmalz, 1831, 11-16, pl. 6, figs. 1-9 (in *Parus major*, *Sylvia sibilatrix*, *Motacilla boarula*); 1839b, 1-8, pl. 1, figs. 1-2.—Baird, 1853, 45.—Brand., 1892, 509.—Braun, 1892a, 567, 642, 747, 751, 784; 1893a, 877, 879, 894, 915; 1893d, 468.—Cobbold, 1860a, 38, to Wedlia.—Crep., 1839b, 1-8, pl. 1, figs. 1-2; 1839a, 285.—Dav., 1877a, lxxiii.—Dies., 1850a, 320-321 (syns. *M. bijugum* Miescher, *Globularia Rolando*) (in *Fringilla spinus*, *F. canaria*, *F. domestica*, *Motacilla boarula*, *Parus major*, *Sturnus vulgaris*, *Sylvia sibilatrix*, *S. trochilus*).—Duj., 1845a, 346-348.—Leuck., 1863, 453.—Linst., 1904, 254 (*Monostromum*).—Looss, 1893b, 810.—Mont., 1888a, 9, 18, 93; 1892, 697, 699, 704, 713, 714.—Much., 1898, 31.—Nord., 1840, 625 (syn. *M. bijugum*).—Par., 1887, 327-329, pl. 6, fig. 36.—Rail., 1898, Oct., 628-629 (in *Garrulus glandarius*).—Sieb., 1839, 160, 161.—Tasch., 1879, 608 (syn. *M. bijugum* Miescher).—Reported also for *Cyanocitta cristata*, *Emberiza cirrus*, *Ficedula sibilatrix*, *F. trochilus* L., *Saxicola cinerula*, *Motacilla alba*, *Passer domesticus*, *Sylvia sp.*
- flarinum* (Ben., 1858) Dies., 1859c, 426-427, as *sp. inq.*—Mont., 1893, 137.—Reported for *Sciæna umbra*.
- filicollæ* Rud., 1819a, 85-86, 347-348 (t. h. *Brama raji* (*Sparus raji*); Naples) to (Monost.).—Ariola, 1906, 184; 1906, v. 30, 185-186.—Ben., 1858a, 1861a, 104, 105 (to Dist.).—Braun, 1892a, 572.—Cobbold, 1860a, 31 (type of *Köllikeria*).—Dies., 1850a, 359 (syn. of *Dist. okenii*).—Duj., 1845a, 361.—Kroyer, 1838-40a, 219, 594 (in *Pagellus centrodontus* Cuv., *Brama raji* Bl.).—Mont., 1893, 150.—Stiles & Hass., 1898a, 91, 98.—Tasch., 1879, 608.
- fligerum* Rud.—Risso, 1826, 262 (de la castagnolle).
- filum* Duj., 1845a, 362 (t. h. *Scomber scombrus*).—Ben., 1870c, 140, 141, 142.—Braun, 1892a, 660, 784, 786.—Dies., 1850a, 327; 1858e, 328 (in *Exocoëtus exsiliens*).—Kroyer, 1838-40a, 595 (in *Sc. sc.*).—Leuck., 1863a, 490.—Mont., 1888, 72; 1892, 716.—Mueller, 1894, 121-122 (in *Ex. evolans*, *E. exiliens*).—Par., 1894, 168.—Par. & Perugia, 1893, 1, 2, 3, of Wagener (syn. of *Didymozoon exocoëtii*).—Wagener, 1854, 10; 1857, 25, 52.—Reported also for *Brama rayi*.
- flavum* Mehlis, 1831, 172 (t. h. *Anas mollissima*, *A. fusca*, *A. marila*, *A. fuligula*).—Baillet, 1866b, 96, 107.—Ben., 1858a, 1861a, 171.—Brand., 1892, 507.—Braun, 1892a, 587, 673, 764, 768, 784, 785, 786, 788, 805; 1893a, 858, 866, 873, 876, 915; 1895b, 17; 1899, 467; 1902b, 20.—Cohn, 1904, 229 (syns.: *Typhlocœlum Stoss.*, *Cyclocœlum Brand.*).—Crep., 1837, 314, 324.—Dies., 1850a, 324; 1858d, 245; 1858e, 325-326 (adult in *Anas mollissima*, *A. fusca*, *A. marila*, *A. fuliginosa*, *Mergus albellus*, *M. serrator*, young in *Fringilla dom.*, larva in *Planorbis cornuus*).—Duj., 1845a, 355.—Gamb., 1896a, 72.—Leuck., 1863a, 491, 515.—Levin., 1881a, 57.—Linst., 1873, 1 (young, *Glenocerc. flava*); 1903, 279.—Looss, 1899b, 660.—Magalhães, 1899, 259, 260.—Mont., 1888a, 73, 76; 1892, 17-28; 1892, 683, 685, 686, 687, 696, 697-698, 699, 700, 704, 706, 707-708, 709-710, 711, 713, figs. 3, 7 (syn. *M. cymbium* Dies.) (in *Anas fuliginosa*, *A. fusca*, *A. marila*, *A. mollissima*, *Himantopus wilsonii*, *Mergus albellus*, *M. serrator*).—Moul., 1856a, 23, 207, 208.—Much., 1898, 31.—Nord., 1832a, 85, 93; 1840, 617.—Par., 1896, 2.—Schneidemuehl, 1896, 303.—Sieb., 1835, 66, 82.—Ssnitzin, 1905, 158-159; 1906, 687.—Stoss., 1902, 2, 5, 6, 7, 9, 18 (of *Par. syn.* of *Cyclocœlum robustum* Stoss.), 28, 30, 31 (of Mehlis to *Typhlocœlum*). 33 (of Magalhães, syn. of *Typhlocœlum sp.*).—Also reported for *Fuligula marila*, *Grus cinerea*.
- foliaceum* Rud., 1819a, 83, 340-342 (t. h. *Accipenser sturio*; Arimini) to (Monost.).—Blainv., 1828a, 582.—Braun, 1889i, 440; 1891d, 421; 1894a, 1147.—Bremser, 1824a, 132; 1824c, pl. 8, figs. 3-7.—Dies., 1836, 240; 1850a, 319-320 (in *Accipenser sturio*, *A. glaber*, *A. stellatus*); 1858e, 324 (in *Accipenser sturio*, *A. nasus*); 1859c, 425 (syn. *Amphilina foliacea* Wagener).—Duj., 1845a, 364.—Grimm, 1871, 499-502.—Kroyer, 1852-53a, 778 (in *Acip. stu.*).—Macé, 1882, 64.—Mol., 1858, 128; 1861, 197.—Mont., 1892, 2.—Nord., 1840, 625.—Salensky, 1874, 16 Sept., 291-292, pls. 28-32.—Villot, 1876, 1345; 1878, 16.—Wedl, 1855, 380-382, 394, pl. 2a, fig. 15; 1855, 399-400, pl. 1b, fig. 6.—Also reported for *Acipenser guldenstädtii*.
- galcatum* Rud., 1819a, 86, 349-350 (t. h. *Centronotus glaucus*; Naples) to (Monost.).—Braun, 1893a, 915.—Dies., 1850a, 327.—Duj., 1845a, 362.—Mont., 1892, 685, 686, 697, 698, 699, 702, 703, 704, 716.—Stoss., 1887, 90; 1898, 62.—Reported also for *Lichia amia*, *L. glauca*.
- gemellatum* Mont., 1892, 716, for *gemellum*.

## MONOSTOMA—Continued.

- gemellum* Steenstrup, 1860, 113 (in *Sphyræna baracuda*).  
*geminum* Bremser, in Schmalz, 1831, 13 (for *M. faba* Bremser).—Baird, 1853a, 45 (= *M. faba*).  
*gibbum* Mehlis in Crep., 1846, 137 (t. h. *Fulica atra*).—Also reported for *Gallinula chloropus*.  
*gracile* Rud., 1809a, 326 (t. h. *Salmo eperlanus*) to (Hypost.); 1819a, 82.—Brand., 1892, 508.—Dies., 1850a, 328–329.—Duj., 1845a, 363.—Kroyer, 1846–53a, 20 (in *Osmerus eperlanus* L.).—Lamarek, 1816b, 186–187.—Mont., 1892, 717.—Nord., 1840a, 623–624.—Olfers, 1816, 48.—Stoss., 1902, 5.  
*gurtii* Cobbold, 1860a, 42 (in *Lacerta agilis*) (includes: *M. sp. Gurtl*, *M. lacertæ* Dies., *Dithyridium lacertæ* Valenc., *D. lacertæ viridis* Rud., *D. lacertæ muralis* Rud., *Petrathyrus obesus* Crep., *Piestocystis dithyridium* Dies.).  
*hepaticum suis* Willach, 1893, 40–42; 1893, 26 Sept., 438; 1893, Mar., 124; 1894 (IV, 2), 874.—Braun, 1894g, 128–129 (= *Cysticercus tenuicollis*); 1894h, 755.—Stiles, 1898a, 28, 96.  
*himantopodis* Rud., 1819a, 87 (in *Charadrius himantopus*; Cat. Mus. Vien.).—Dies., 1850a, 323 (syn. of *M. mutabile* Zed.).—Mont., 1892, 707.—Stoss., 1902, 1.  
*hippocrepis* Dies., 1850a, 324 (t. h. *Hydrochærus capybara*; Brazil): 1855, 63, pl. 2, figs. 6–9; 1858c, 326.—Brand., 1892, 508.—Braun, 1892a, 568, 584, 709; 1893a, 874, 915; 1901b, 344–346, pl. 19, fig. 10.—Looss, 1902m, 610.—Mont., 1888, 54; 1892, 685, 686, 694, 695, 696, 697, 698, 700, 703, 704, 711.—Also reported for *Cavia capybara*.  
*histrix* Mol., 1858, 128 (t. h. *Pelophylax esculentus*; Patavii); 1861, 197–198, pl. 1, fig. 12.—Braun, 1892a, 583 (*hystrix*): 1893a, 881, 916.—Dies., 1858c, 328 (in *Pel. esc.*).—Mont., 1892, 685, 697, 698, 699, 700, 702, 705, 715, 716 (*hystrix*).—Par., 1894, 168.  
*holostomoides* Mehlis in Crep., 1846, 138 (t. h. *Colymbus cristatus*).—Brand., 1892, 509.—Braun, 1893a, 915.—Cohn, 1904, 230.  
*hyalinum* Schlotthauber, 1860, 129 (in *Machetes pugnax*).  
*hystrix* Brand., 1892, 506 (in *Rana esculenta*), for *histrix*.  
*idi* Rud., 1819a, 87 to (Hypost.) (t. h. *Cyprinus idus*).—Dies., 1850a, 414 (syn. of *Aspidogaster limacoides* Dies.).—Mont., 1892, Oct. 7, 202 (syn. of *Asp. lim.*).  
*ignotum* Nicoll, 1906, 514 (in *Hematopus ostralegus*). sp. inq.  
*impudens* Crep., 1846, 149 (t. h. *Squalus griseus*).  
*incommodum* Leidy, 1856, 43 (t. h. *Alligator mississippiensis*; Florida): 1891a 414, (to Dist.) 1904a, 85.—Brand., 1892, 510.—Braun, 1893, 872, 915.—Cobbold, 1860a, 42.—Dies., 1858c, 329 (in *All. miss.*).—Mont., 1892, 714, 715.—Pavesi, 1881, 294.—Will.-Suhm, 1870, 11.  
*isabellinum* Ratzel, (1868), 153, t. h. *Gadus aeglefinus*.—Linst., 1878a, 223 (= *Rhipidocotyle gracilescens* (Rud.)).—Stoss., 1898, 61.  
*kuhni* Cobbold, 1860a, 39 (*M. leporis* Kuhn, renamed) (in *Lepus cuniculus*).—Rail., 1893a, 339 (= *M. leporis* Kuhn).—See *Cysticercus pisiformis*.  
*lacertæ* Dies., 1850a, 331 (t. h. *Lacerta agilis*) (syn. Dist. ammon); for *M. sp. Gurtl*, 1838, 229; 1858c, 328 (syn. *Tetrathyrus obesus*; cf. *Piestocystis dithyridium* Dies., 1850a, 495).—Crep., 1851, 1, 192.  
*larceum* Jaegers., 1896a, 165, 167–177, pl. 9, figs. 1–9 (in *Cottus scorpius*); 1896b, 179–180; 1898, 15; 1900, 736.—Braun, 1899b, 724; 1901b, 47.—Looss, 1899b, 671.—MacLaren, 1904, 583.—Ward, 1901, 180.—Type of *Galactosomum* 1899.  
*lanceolatum* Wedl, 1858, 251–252, pl. 1, figs. 15–17 (t. h. *Himantopus rubropetens*).—Brand., 1892, 508.—Braun, 1892a, 586, 673, 764, 766, 784, 786; 1893a, 876, 915.—Dies., 1858c, 325 (in *Him. melanopterus*) 707 (syn. of *M. mutabile* Zeder).—Linst., 1878a, 132.—Mont., 1892, 26; 1892, 691, 706.—Par., 1896, 2.—Stoss., 1902, 2, 4, 5, 23 (to *Hematotrephus*).  
*lentic* Gescheidt, 1833, 421, 445 (in *Homo*).—Assenova, 1899, 29.—E. Bl., 1846, 342.—R. Bl., 1888a, 542, 543; 1895, 729.—de Bonis, 1882, 180.—Braun, 1883a, 59; 1893a, 870; 1895b, 155; 1903, 3 ed., 151.—Cobbold, 1876, 211.—Dav., 1877a, lxxiii, 820, 822.—Dechambre, 1875a, 196 (of Nord.).—Dies., 1850a, 329 (in *Homo*); 1858c, 328.—Dunghison, 1893a, 821, 1174; 1895, 21 ed., 821, 1174.—Eiss, 1838, 23.—Gamb., 1896, 63.—Guenther, 1858, 205.—Hoyle, 1890, 538.—Huber, 1896, 501.—Ijima, 1889b, 122.—Kholodk., 1898, 34; 1899a,

## MONOSTOMA—Continued.

- 153.—Kuech., 1855, 180–182.—Kuech. & Zuern, 1882, 285.—Leuck., 1863, 526, 633–634.—Moniez, 1896, 86, 152, 153.—Mont., 1892, 713 (of Nord.).—Mosler & Peiper, 1894, 185.—Rayer, 1843, 114, 116, 149.—Stiles, 1898a, 48; 1902, 25, 27, 28; 1905, 54.—Swart, 1862, 34.—Vogt, 1878, 10; 1878, 13.—Wagner, 1876, 122; 1883, 122.—Ward, 1895, 328 (in Homo); 1903, 866 (syn. of Agamodist. ophthalmobium Dies.).—Weinland, 1859, 280.—Wood & Fitz, 1897, 335.
- leporis* Kuhn, 1829, 464, pl. 11, figs. 6–7 (t. h. *Lepus cuniculus*).—Baillet, 1866b, 107.—Brand., 1892, 510.—Cobbold, 1860a, 39 (renamed kuhni): 1879b, 318.—Dav., 1877a, lxxiii.—Dies., 1850a, 330.—Mont., 1892, 42; 1892, 712, 713.—Rail., 1890, 132–133; 1893a, 216, 339 (=Cysticercus pisiformis); 1893, 339.—Stiles, 1902s, 27; 1906, 42.
- liguloideum* Dies., 1850a, 320 (t. h. *Vastres cuvieri*; Borbæ, Brazil).—Brand., 1892, 506.—Braun, 1892a, 567, 586; 1893a, 916; 1894a, 1147.—Dies., 1850a, 320; 1855, 62, pl. 1, figs. 25–29; 1858c, 324.—Mont., 1892, 2 (to Amphilina); 1892, 716 (to Amphilina).
- limacoides* Dies., 1835a, 421 (=Aspidogaster limacoides).
- lincae* Rud., 1819a, 83–84, 343–344 (t. h. *Tringa vanellus*) to (Monost.).—Baillet, 1866b, 107.—Blainv., 1828a, 582.—Brand., 1892, 508.—Bremser, 1824, pl. 8, figs. 8–9.—Crep., 1839, 285.—Dies., 1850a, 411 (syn. of *Notocotyle triseriale* Dies.).—Duj., 1845a, 349.—Hass., 1896a, 3 (syn. of *Noto. verrucosum* Frœlich).—Rail., 1893, 340.—Nord., 1840, 625.—Sieb., 1835, 50.
- loliginis* (delle Chiaje, 1841) Par., 1894, 169 (in *Loligo* sp.; Naples).
- lucaneum* Brand., 1902, 511, for *lucanica*.
- lucania* Leidy, 1904a, 143, for *lucanica*.
- lucanica* Leidy, 1877, 200–201 (in *Planorbis parvus*; U. S. A.) to (Glenocerc.); 1904a, 143–144.—Brand., 1902, 511 (*lucaneum*).—Linst., 1889a, 122 (*lucanicum*).
- lucanicum* Linst., 1889a, 122 (see *lucanica*).—Mont., 1892, 717.
- macrorchis* Brand., 1892, 508 (in marine turtles).—Braun, 1893a, 915; 1899b, 715, 722; 1901b, 38, 54, 58.—Looss, 1899b, 756.
- macrostomum* Rud., 1809a, 337–338 (t. h. *Larus cinerarius*; Greifswald), to (Monost.); 1819a, 86.—Brand., 1892, 510.—Braun, 1893a, 915.—Dies., 1850a, 330.—Duj., 1845a, 358.—Mont., 1892, 706, 709.—Olfers, 1816, 48.
- macrurum* Schlotthauber, 1860, 129 (in *Corvus glandarius*).
- marænulæ* Rud., 1809a, 339–340 (t. h. *Salmo marænula*; Europe) to (Hypost.); 1819a, 87.—Brand., 1892, 510 (to *Monostomulum*).—Braun, 1893a, 871.—Dies., 1850a, 329.—Mont., 1892, 717 (*marenulæ*).—Also reported for *Coregonus albula*.
- marenulæ* Mont., 1892, 717 (for *marænulæ*).
- marilæ* Rud., 1819a, 87 (in *Anas marila*).—Dies., 1850a, 411 (*marillæ*, syn. of *Notocotyle triseriale*).
- marillæ* Dies., 1850a, 411 for *marilæ*, 1819.
- micropterygis* (Richiardi, 1902) Ariola, 1902, 103 (syn. of *Didymost. bipartitum* Wedl).
- microstomum* Crep., 1829, 1, 49–50, pl. 1, figs. 10–11 (t. h. *Fulica atra*; Greifswald); 1837, 314.—Ben., 1858a, 1861a, 70 (syn. of *Monost. mutabile*).—Braun, 1892a, 658.—Dies., 1850a, 323 (syn. of *M. mutab.*).—Nord., 1832a, 85.—Rail., 1893a, 338 (= *M. mutab.*).—Sieb., 1835, 50.—Stoss., 1902, 2, 13 (syn. of *Cyclocolum mutabile*).
- minutissimum* Stoss., 1896, 130 (in *Anas boschas*; Doberdò); 1898, 63.
- mola* Rud., 1819a, 87, 350–351 (t. h. *Orthogoriscus mola*; Naples).—Dies., 1850a, 359 (syn. of *Dist. okenii*).—Mont., 1893, 137.
- molle* Leidy, 1856, 43 (t. h. *Sternotherus odoratus*; U. S. A.); 1904a, 86.—Brand., 1892, 510.—Braun, 1893a, 876, 915; 1901b, 54.—Dies., 1858c, 328 (in *Ster. od.*).—Mont., 1892, 715; 1896, 165.—Stiles & Hass., 1894e, 414, to *Dist. (Polyorchis)*; 1894h, 162; 1895a, 737.
- murænulæ* Cobbold, 1860a, 43, for *marænulæ* = *M. braunii* Cobbold.

## MONOSTOMA—Continued.

- mutabile* Zed., 1800, xvi, 150, 154–155 (t. h. *Fulica chloropus*; Germany); 1803, 189, pl. 3, fig. 1.—Aitken, 1866, 838; 1872, 204.—Baillet, 1866b, 91, 107.—Ben., 1858a, 1861a, 66, 68, 69–77, 79, 99, 171, 172, 179, 193, 202, 203, 204, 206, 211, 213, 214, 215, 223 (syn. *M. microstomum*), 256, 336, pl. 12, figs. 1–20.—Biehringer, 1884, 7.—de Bonis, 1882, 102.—Brand., 1892, 507, 508.—Braun, 1890a, 510; 1892, 51–52; 1892a, 584, 587, 590, 627, 642, 648, 658, 661, 663, 673, 674, 678, 715, 727, 761, 768, 769, 776, 780, 781, 784, 785, 786, 787, 805, 813; 1893a, 818, 820, 876, 879, 880, 883, 915; 1893b, 176, 179, 187; 1898d, 468; 1894a, 1166; 1895b, 17; 1896a, 1255; 1899, 467; 1901c, 346.—Crep., 1837, 314, 323, 324, 325.—Darr, 1902, 675.—Desmonceaux, 1868, 21.—Dies., 1836, 248; 1850a, 323–324 (syns.: *M. vanelli* Rud., *M. himantopodia* Rud., *Dist. calidris* Rud., *M. microstomum* Crep.); 1855a, 382; 1858c, 325 (in *Anas anser*); 1859c, 425 (in *Totanus calidris*, *Rallus aquaticus*, *Gallinula chloropus*, *Anas nigra*; Belgium).—Duj., 1845a, 351–355.—Erc., 1881c, 57, 86; 1882a, 293, 322.—Eschricht, 1853a, 231; 1855, 2.—Fil., 1854a, 5, 15; 1855b, 13, 24; 1857c, 12.—Florence, 1866a, 3, 5, 6.—Fraip., 1880c, 417.—Fuhrmann, 1904, 59 to (*Cyclocœlum*); 1904, 61.—Hass., 1896b, 1 (in *Meleagris gallopavo*).—Hoyle, 1890, 535, 539 (type of *Monost.*).—Jackson, 1888, 647, 649.—Kath., 1894a, 130.—Knoch, 1862, 58, 64, 73.—Kœlliker, 1849, 57.—Leidy, 1885, 10.—Leuck., 1842, 35–37, pl. 1, fig. 12a. b.; 1863a, 33, 487, 491, 496, 502, 503, fig. 1, 167; 1879, 40, 141, fig. 17; 1886d, 30, 109, fig. 17.—Levin., 1881a, 57.—Loess, 1894a, 204; 1896b, 150; 1899b, 660, 661; 1901, 192 (type of *Cyclocœlum*); 1902m, 701, 702, 719, 720, 730.—Luehe, 1901, 174.—Magalhães, 1899, 258, 259, 260.—Mégnin, 1890c, 87, 88, 89 (*Monostoma*), fig. 1.—Mehlis, 1831, 171.—Mont., 1888, 37, 56, 57, 67, 73, 76; 1892, 26–27; 1892, 28; 1892, 681, 685, 686, 690, 691, 692, 696, 697, 698, 699, 700, 701, 704, 705, 706–707, 708, 709, 710, 713 (syn. *M. lanceolatum* Wedl, *M. micropunctatum* Linst.) (in *Falco hamatus*, *F. milvoides*; Brazil); 1893, 83, 84, 209.—Moul., 1856a, 12, 22, 23, 45, 46, 47, 50, 56, 70, 97, 98, 99, 100, 102, 107–108, 207, 208.—Mueh., 1898, 12, 31.—Nord., 1832a, 56, 85, 93; 1840, 616, 617.—Olfers, 1816, 48.—Pag., 1857, 7.—Par. & Perugia, 1893, 1.—Rail., 1893a, 338 (syns.: *M. microstomum* Crep., *M. attenuatum* Mol. not Rud.); 1898, Oct., 627–628 (in geese).—Rud., 1809a, 333–334 to (*Monost.*); 1819a, 85.—Schneidemuehl, 1896, 303.—Sieb., 1835, 49–83, pl. 1, figs. 1–9 (in *Anas anser* dom., *Fulica atra*, *Gallinula chloropus*, *Grus cinerea*, *Rallus aquaticus*); 1850, 671, 672; 1854, 21, 22, 23.—Spengel, 1892.—Steenstrup, 1842, 40, 49, 56.—Stein, 1882, 1.—Stoss., 1889, 184; 1901, 92 (4) (in *Himantopus candidus*; Roma); 1902, 1–40, pls. 1–9; 1902, v. 9 (13), 406–407; 1905 (vii), 62.—Thomson, 1855, 188.—Verrill, 1870, 179.—Vogt, 1878, fig. 30.—Wagener, 1857, 22, 24, 26, 45, 52, 67.—Zernecke, 1895, 61.—Ziegler, 1905, 36, 37 (in *Gallinula chloropus*).—Also reported for *Anser cinereus* dom., *Crax alpektor*, *Fuligula marila*.
- mutabile* Zed.—Stoss., 1902, 13, to *Cyclocœlum*.
- mutabile* of Ben., 1858a, 69, pl. 12; of Dies., 1859c, 425; of Par., 167; and of Stoss., 1891, v. 13, 111.—Stoss., 1902, 15 (syn. of *Cyclocœlum ovopunctatum*).
- mutabile* of Sieb., 1835, 49; of Dies., 1858c, 325; of Dav., 1877a, lxxiii; and of Mueh., 1898, 31.—Stoss., 1902, 20 (syn. of *Cyclocœlum arcuatum*).
- nematoides* Crep., 1846, 129 (in *Falco albicilla*).
- nephriticum* Mehlis in Crep., 1846, 138 (t. h. *Colymbus arcticus*).—Brand., 1892, 509.—Braun, 1893a, 877, 915; 1893d, 467.—Cohn, 1904, 230 (to *Eucotyle*), 237.
- nephrocephalum* Dies., 1858c, 327 (*M. renicapite* renamed) (in *Sphargis coriacea*; America).—Braun, 1899, 627; 1901b, 52.—Mont., 1892, 715.
- nigropunctatum* Linst., 1883, 310, pl. 9, fig. 52 (in a bird "Akatzu;" Turkestan).—Brand., 1892, 507.—Braun, 1892a, 784, 786 (in birds; Turkestan); 1893a, 915.—Mont., 1892, 26; 1892, 698, 706, 707 (syn. of *M. mutabile*).—Stoss., 1902, 5, 6.
- noctula* Cobbold, 1860a, 39 (*M. vespertilionis* Rud., renamed) (in *Vespertilio noctula*).—Mont., 1892, 712.
- obscurum* Leidy, 1887, 24 (in *Megalops thrissoides*; Coll. Army Med. Mus., Wash.); 1904a, 197.—Brand., 1892, 510.—Braun, 1893a, 874, 915.—Mont., 1892, 716, 717.
- ocreatum* (Gœze, 1782) Zed., 1800a, xvi, 150, 152–154; 1803a, 189.—Bellingham, 1844a, 337.—Blainv., 1828a, 582.—Bremser, 1824c, pl. 8, figs. 10–11.—Cobbold, 1860a, 39 (includes *Dist. lorum* Duj., *Fasc. ocreata* Gœze not Rud., *Cucullanus ocreatus* Schrank, *C. talpæ* Mueller); 1879b, 296.—Crep., 1839a,

## MONOSTOMA—Continued.

- 285.—Dies., 1850a, 326 (syns.: *Fasc. ocreata* Goetze, *Cucullanus talpae* Mueller, *C. ocreatus* Schrank, *Dist. lorum* Duj.); 1858c, 328 (in *Talpa europaea*; Ireland).—Duj., 1845a, 344.—Kuech., 1855, 181.—Lamarck, 1816b, 187.—Looss, 1901, 192 (= *Dist. lorum* Meln.).—Mont., 1888a, 7.—Nord., 1840, 624 (syns.: *Fasc. ocreata* Goetze, *Cucullanus ocreatus* Gmelin).—Olfers, 1816, 48.—Rud., 1809a, 329–331 to (Monost.); 1819a, 84.—Schlotthauber, 1860, 129.—Stoss., 1892, 17 (syn. of *Dist. lorum* Duj.), 18 (*acreatum*) (syn. *Dist. lorum* Duj.).—Walter, 1866, 65.
- octopodis* delle Chiaje, teste in Mont., 1892, 717, 718.—Par., 1894, 169 (in *Octopus vulgaris*; Naples).
- oculobium* Cohn, 1902d, 712 (in *Vanellus melanogast.*; Greifswald Coll.).—Engler, 1904, 186.—Fuhrmann, 1904, 59, 61.
- orbicolare* Sons., 1891, 262, for orbiculare.
- orbiculare* Rud., 1819a, 83, 342 (t. h. *Sparus salpa*; Naples) to (Monost.).—Barbagallo & Drago, 1903, 411 (in *Box salpa*, *Oblata melanura*; Catania).—Brand., 1892, 509.—Braun, 1892a, 567, 568, 603, 635, 640, 650, 651; 1893a, 915.—Dies., 1850a, 320.—Duj., 1845a, 360.—Lint., 1898, 541–542, pl. 54, figs. 2–5 (in *Lobotes surinamensis*; Woods Hole); 1901, 416, 457.—Luehe, 1901d, 49–60, figs. 1–5; 1901e, 235–236; 1901f, 421.—Mont., 1888a, 7, 16, 41, 42, 43; 1892, 685, 687, 689, 690, 694, 697, 698, 699, 700, 701, 703, 716.—Par., 1887, v. 30, 15; 1894, 592.—Sons., 1891, 262 (*orbiculare* in *Box salpa*).—Stoss., 1883, 111; 1898, 65 (in *B. salpa*; Trieste).
- ornatum* Leidy, 1856, 43 (t. h. *Rana pipiens*).—Brand., 1892, 510.—Braun, 1893a, 877, 915.—Dies., 1858c, 326 (in *R. pip.*; Philadelphia).—Mont., 1892, 685, 697, 698, 715.—Staff., 1902, 724.
- ovatum* Mol., 1859, 822–824, pl. 2, figs. 2–4 (in *Gallinula crex*; Padua).—Brand., 1892, 508.—Braun, 1893a, 916; 1893b, 185.—Looss, 1899b, 662, 663.—Mont., 1892, 38, 40–41 (syn. of *Notocotyle verrucosum*); 1892, 706, 709.—Odhn., 1905, 368.—Stoss., 1902, 5.—Also reported for *Crex pratensis*.
- pandum* Braun, 1901a, 48–50, fig. 17 (in *Thalassochelys caretta*; Naples).
- petasatum* Deslongchamps, 1824ec, 511 (t. h. *Haematopus ostralegus*; Caen).—Brand., 1892, 505, 509.—Braun, 1892a, 568; 1893a, 874, 915.—Dies., 1850a, 330.—Duj., 1845a, 350–351.—Looss, 1902m, 610.—Mont., 1888, 7; 1892, 706, 709.—Villot, 1878, 18–20, pl. 5, fig. 1 (in *Streptilas interpres*).
- pileatum* (Rud., 1802) Zed., 1803, 188 (in *Sterna hirundo*).—Dies., 1850a, 314 (tc. Holost.).—Olfers, 1816, 48.—Rud., 1809a, 338–339; 1819a, 90 (to *Amphist.*).
- pingue* Mehlis in Crep., 1846, 138 (t. h. *Colymbus cristatus*).—Brand., 1892, 509.—Braun, 1893a, 877, 915; 1893d, 467.—Cohn, 1904, 230, 232, 233 (tc. *Renicola*), 235 (syn. of *Taphrogonymus holostomoides*).
- plicatum* Crep., 1829a, 878–880, pl. 52, figs. 9–11 (t. h. *Balaena rostrata*; Rügen).—Ben., 1870, 357.—Brand., 1892, 509.—Braun, 1892a, 605.—Cobbold, 1879b, 421.—Dies., 1850a, 324.—Duj., 1845a, 344.—Jagers., 1891b, 32 pp., figs. 1–16 (anatomy); 1892a, 572–573 (see *Ogmogaster plicatus*).—Mont., 1892, 696, 704, 713; 1893, 203.—Odhn., 1905, 366 (to *Ogmogaster*).—Also reported for *Balaena mysticetus*.
- pramorsum* Nord., 1832, 55–56, 96 (t. h. *Cyprinus brama*).—Brand., 1892, 511 (to *Monostomulum*).—Braun, 1893a, 871, 915.—Dies., 1850a, 322 (in *Abramis brama*; Berlin).—Duj., 1845a, 363.—Kroyer, 1846–53a, 388 (in *Abr. br. L.*).—Mont., 1892, 685, 696, 697, 698, 716.—Walter, 1866, 65.
- prismaticum* Zed., 1800a, xvi, 150, 151–152 (t. h. *Corvus frugilegus*; Europe).—Brand., 1892, 510.—Braun, 1893a, 876, 915.—Dies., 1850a, 328.—Duj., 1845a, 349.—Looss, 1901, 192, 193 (type of *Monost.* by elimination; see, however, mutable and p. 308); 1902m, 700, 701, 702, 703, 707, 717, 718, 719, 720, 721, 729, 730.—Mont., 1892, 685, 699, 713, 714.—Luehe, 1901, 174.—Olfers, 1816, 48.—Rud., 1809a, 334–335 to (Monost.); 1819a, 85.
- proteus* Brand., 1891, 19, 22, 23; 1892, 567, 570, 571, pl. 22, figs. 5, 6 (in *Chelonia viridis*); 1892, 508.—Bettend., 1897a, 11; 1897, 315.—Brand., 1891d, 19, 22, 23.—Braun, 1893a, 915 (in *Chelone midas*); 1893b, 176, 177, 185 (in *Chelonia viridis*); 1899b, 715, 722; 1901b, 38.—Darr, 1902, 673.—Looss, 1894a, 186, 204; 1899b, 661, 662, 668, 869, 756, 767–770, to *Baris* as type; 1902m, 619, 626, 632, 636, 647, 653, 669, 678, 685 (of Walter, 1893, 197, pl. 10, figs. 13, 18, 19, as syn. of *Octangium sagitta*), 694 (of Walter, 1903, 196, figs. 22–23 to *Deutero-baris*).—Luehe, 1901, 58.—Mont., 1893, 213, 214.—Offenheim, 1900, 148, 167.—Shipley, 1900, 533, 539.—Walter, 1892, 248, 249, 250; 1893, 196, 197, pl. 10, figs. 13, 18, 19, 22–23.

## MONOSTOMA—Continued.

- pseudamphistomum* Crep., 1846a, 146 (t. h. *Chelonia mydas*).
- pumilio* Looss, 1896b, 154–158, pl. 10, figs. 101–106 (in *Pelecanus onocrotalus*; Cairo); 1899b, 670 (type of *Haplorchis*), 753.
- renicapite* Leidy, 1856b, 43 (t. h. *Sphargis coriacea*); 1904a, 86.—Brand., 1892b, 510 (in *Dermatochelys coriacea*).—Braun, 1893a, 915; 1899, 627–629; 1899b, 715, 721, 722; 1901b, 38, 52–53, fig. 25.—Dies., 1858c, 327 (renamed *nephrocephalum*) (in *Sphargis coriacea*; America).—Mont., 1892, 685, 711, 714, 715.
- reticulare* Ben., 1859, 84–85, pl. 2, figs. 7–10 (t. h. *Chelonia midas*); 1858a, 1861a, 193.—Brand., 1892, 508.—Braun, 1892a, 651; 1893a, 916; 1893b, 185 (in *Ch. viridis*); 1899b, 715, 721, 722, 725; 1901b, 38, 54.—Jackson, 1888, 647.—Looss, 1894a, 186, 202, 204; 1899b, 756, 763, 765, 766, 767, 769; 1902m, 632, 643, 661, 662, 666, 688 (of Walter, 1893, 193, pl. 10, figs. 5, 6, 8a, syn. of *Polyangium linguatula*), 690, 691 (to *Microsaphidium*), 720.—Mont., 1892, 714, 715.—Shipley, 1900, 533, 539.—Walter, 1892, 248, 249.
- rhombi laevis* Dies., 1858e, 328 (in *Rhombus laevis*; Trieste), based on Wedl, 1855, 380, 394, pl. 2, 14.—Braun, 1893a, 871.—Mont., 1892, 717 (*rhombi-laevis*).
- rhombi-laevis* Mont., 1892, 717 (for *rhombi-laevis*).
- rubrum* Kuhl & van Hasselt, 1822a, 113; 1824a, 311 (in *Chelonia midas*; Iles des Cocotiers).—Braun, 1899b, 721, 723, 724; 1901b, 38, 50–52, figs. 26, 28.—Crep., 1846, 146.—Dies., 1850a, 325 (syn. of *M. trigonocephalum*).—Looss, 1899b, 667, 756; 1902m, 555.—Shipley, 1900, 532.
- sacidiornicola* Stoss., 1902, 34 (for *sarcidiornicola*).
- sarcidiornicola* Mégnin, 1890c, 87–90, fig. 2 (in *Sarcidiornis melanota*; Madagascar); 1890, 685–687, fig. — Braun, 1899, 468.—Mont., 1892, 28–31; 1892, 685, 686, 687, 697, 704, 706, 708, 709, 710, 713 (in *Sar. mel.*).—Stoss., 1902, 9, 33, 34 (*sacidiornicola*) (to *Typhlocolum*).
- semifuscum* Ols., 1876, 28 (in *Sula bassana*; Lund).—Brand., 1892, 505, 509.—Braun, 1893a, 916 (in *S. bas.*).—Mont., 1892, 706, 710.
- septiola* delle Chiaje, teste Crep., 1846a, 158.—Mont., 1892, 717, 718.—Par., 1894, 169.
- setteni* Numan, (1840), 358 (eye of horse).—Anacker, 1890m, 506.—R. Bl., 1888a, 542.—R. Bl. & Rail., 1891a, 26–28 (ostrid larva).—Braun, 1889a, 337; 1891d, 424.—Dies., 1850a, 617 (to *Pentast.*).—Moniez, 1896, 154.—Mont., 1892, 713.—Rail., 1895, 772.—Sieb., 1842, 299.—Stiles, 1902s, 28 (= larval dip-teron).—Ward, 1895, 338 (in *Equus caballus*).
- spathulatum* Dies., 1859c, 426 (for *spatulatum*).—Mont., 1892, 685, 697, 698, 716.
- spatulatum* Leidy, 1859, 111 (in fish).—Dies., 1859c, 426 (*spathulatum*) (in American fish).—Mont., 1892, 685, 697, 698, 716.
- species* Brand., 1891d, 19 (*Monostomum*).
- species* Braun, 1891e, 8.—Mont., 1892, 713.
- species* Braun, 1901b, 50 (in *Chelone mydas*).
- species* Kroyer, 1846–53a, 462; 1852–53a, 1224 (in *Leuciscus idus* L.).
- species* Lint., 1901, 416, 439; 1905, 335, 356, 360, 367, figs. 217, 226–229 (in *Fundulus majalis*, *Menidia menidia*, *Orthopristis chrysopterus*, *Trachinotus carolinus*).
- species* Stoss., 1902, 34–35 (in *Grus cinerea*).
- species* Stoss., 1902, 35 (in *Mergus albus*).
- species* Stoss., 1902, 36 (in *Machetes pugnax*; Berlin).
- species* Stoss., 1902, 36 (in *Fulica atra*; Seeburg).
- species* Stoss., 1902, 36 (in *Grus cinerea*; Luckenwalde).
- species* Piesbergen, 1886, 356.—Mont., 1892, 716 (in *Cobitis barbatula*).
- species* Villot, —.—Mont., 1892, 706 (in *Strepsilas interpres*).—See Linst., 1878a, 133.
- spinosissimum* Mont., 1892, 689 (for *spinosissimum*).
- spinosissimum* Stoss., 1883, 112, pl. 2, fig. 8 (in *Box salpa*; Trieste); 1898, 64.—Barbagallo & Drago, 1903, 411 (in *Box salpa*; Catania).—Brand., 1892, 509.—Braun, 1891d, 421; 1892a, 583, 651, 700, 765; 1893a, 916.—Looss, 1899b, 669, 670.—Luehe, 1901, 58, 59, 60.—Mont., 1892, 689 (*spinosissimum*), 697, 699, 702, 705, 716.—Type of *Centroderma* 1901.



## MONOSTOMA—Continued.

- spirale* Dies., 1850a, 325 (t. h. *Hypsilophus tuberculatus*, *Podocnemis traci* *Chelonsidis tuberculatus*; Brazil); 1855, 63, pl. 2, figs. 10–13; 1858c, 326 *Hyp. tub.*—Brand., 1892, 507.—Braun, 1892a, 567, 569, 709; 1899, 1901b, 54–55.—Cobbold, 1860a, 41.—Mont., 1888, 7, 8; 1892, 35; 1892, 696, 697, 698, 714, 715.—Stoss., 1895, 232 (to Dist.).
- squamula* (Rud., 1819) Dies., 1850a, 321 (in *Mustela putorius*; Jan., Tolosæ Brand., 1892, 506.—Cobbold, 1860a, 38.—Stoss., 1892, 20 (to Dist.).
- stossichianum* Mont., 1892, 12, 19, figs. 5, 7, 11, 15, 18 (includes *M. capitellatus* Stoss., 1883, 2, pl. 2, fig. 9; Carus, 1884, 122, pars; Parona, 1886, 5, 7, not 1887, 489; Setti, 1891, 4) (in *Box salpa*: Italy “del nostro golfo”); 1892, 686, 687, 688, 689, 694, 695, 696, 697, 698, 699, 700, 702, 703, 705, 716; 1893 16, 17, 24, 35, 83, 84, 115, 116.—Brand., 1892, 507, 509.—Braun, 1893b, 179.—Looss, 1899b, 669.—Luehe, 1901, 58, 59, 60.—Stoss., 1898, 63–64 *Box salpa*; Trieste).
- sulcatum* Rud., 1809a, 337 (t. h. *Rana pipa*, intestine) to (Monost.); 1819a, 8 Brand., 1892, 510.—Braun, 1893a, 916 (in *Pipa americana*).—Dies., 18 325–326.—Duj., 1845a, 359.—Mont., 1892, 715, 716.—Olfers, 1816, 48.
- tenuicolle* Rud., 1819a, 85, 346–347, 577, pl. 2, figs. 1–4 (t. h. *Lampris gutta* Groninge) to (Monost.).—Ben., 1858a, 1861a, 111, 199, 200; 1870, 8 Blainv., 1828, 582 (*tenuicollis*).—Dies., 1850a, 359 (syn. of Dist. affine Di (in *Lam. gutt.*); 1859c, 430.—Duj., 1845a, 361–362.—Mont., 1888a, 9; 1 150.—Schmalz, 1831, 16, pl. 6, figs. 10–12 (in *Lam. gutt.*).
- testudinis* M. S. Vienna Coll. in Braun, 1899, 630 (= Dist. *scyphocephalum* Bra *tethyx* delle Chiaje teste Mont., 1892, 717.
- thethydis* delle Chiaje, teste E. Bl., 1847a, 309.
- thetycola* (delle Chiaje), teste Pag., 1862, 298.
- todari* delle Chiaje see Mont., 1892, 717, 718.—Par., 1894, 168 (in *Ommastreph todarus*; Naples).
- totari* delle Chiaje.—E. Bl., 1847a, 309, see *todari*.
- trigonocephalum* Rud., 1809a, 336–337 (t. h. *Testudo mydas*; Europe) to (Mono includes *Planaria mydæ* Braun MS.; 1819a, 86, 349.—Bellingham, 18 337.—Ben., 1858a, 1861a, 193.—Brand., 1892, 508.—Braun, 1891d, 424 *Thalassochelys corticata*; 1892a, 568; 1893a, 916; 1899b, 715, 721, 722, 725; 1899, 627, 628; 1901b, 38–45 (originals in stomach of *Chelone mydas*) (pars of Rud. 1819a, Dies., 1850a, Shipley, 1900, syn. of *Monost. album*), 48, 49, 50, 51 (pars of Dies., 1850a, Shipley, 1900, syn. of *M. rubrum*), fig. 29; 1901c, 346.—Dies., 1850a, 325 (syns. *Planaria midæ* Braun, *M. rub et album* Kuhl & Hasselt); 1858c, 327 (in *Chelone* (*Eretmochelys*) *imbricata* Duj., 1845a, 358–359.—Looss, 1894a, 204; 1899b, 666, 756 type of *Pronocephalus* [see *obliquus*]; 1901, 566, 567, 568; 1902m, 413, 527 (of Braun, 1901, 38, of *Pronocephalus obliquus*), 529, 531, 548 (to *Pleurogonius*), 549 (original spe contained 2 forms) (of Shipley, 1900, 532, pl. 54, figs. 1–7, syn. of *Cricocceph delitescens*), 550, 551, 552, 556, 557, 558 (of Ben., 1859, 81, pl. 2, fig. 5, Walter, 1893, 191, fig. 1, pl. 10, syn. of *Pleurogonius longiusculus* Looss), 562, 563, 564, 580, 582 (= *Pleurog. long.* Looss), 584, 591, 595, 596, 713, 716.—Mont., 1892, 685, 686, 687, 689, 694, 695, 696, 697, 698, 702, 703, 709, 714, 715, fig. 5; 1893, 213.—Moul., 1856a, 23.—Olfers, 1816, 48.—Shipley, 1 532–540, fig. A. B., pl. 54, figs. 1–7.—Stoss., 1891, 111.—Walter, 1892, 1893, 30 May, in 189–235, pls. 10–12.—Reported also for *Halichelys s*
- tringa* Brand., 1892b, 507 to *Cyclocælum*, 508.—Braun, 1893a, 876, 916; 1 467.—Looss, 1899b, 660.—Stoss., 1902, 26, fig. 26 (to *Hæmatotrephus*) *Tringa variabilis*; Tor, Peninsula of Sinai).
- triseriale* (Dies., 1839) Dav., 1860, xlviii; 1877a, lxxiii.—Baillet, 1866b, 107 ( of *M. verrucosum*).—Hoyle, 1890, 539.—Verrill, 1870, 179.
- vanelli* Rud., 1819a, 87, 350 (t. h. *Tringa vanellus*; Mus. Vien.).—Dies., 1850a, (syn. of *M. mutabile* Zed.).—Sieb., 1835, 50 (in *Vanellus cristatus*).
- variabile* (Nitzsch, 1857) Dav., 1860, xlviii; 1877, lxxiii.—Verrill, 1870, 179.
- ventricolum* Rud., 1809a, 334, misprint for *ventricosum*.
- ventricosum* (Rud., 1802) Rud., 1809a (*ventricolum*, p. 334), 335–336, 339 (Monost.); 1819a, 86 (in *Motacilla lusciniæ*; *Gryphæ*).—Brand., 1892, 506 Braun, 1893a, 876, 916.—Dies., 1850a, 328 (syn. *Festucaria vent.*).—D 1845a, 348–349.—Mont., 1892, 713, 714.—Olfers, 1816, 48.

## MONOSTOMA—Continued.

*verrucosum* (Frölich, 1789) Zed., 1800a, xvi, 150, 155-159.—Anacker, 1887c, 513.—Baillet, 1866b, 107 (syn. *M. triseriale*).—Baird, 1853a, 45.—Bellingham, 1844, 336.—Ben., 1858a, 1861a, 72, 77-81, 179, 189, 190, 193, 197 (syns. *Fasc. ver.*, *F. anseris*, *Festucaria pedata*, *Notocotyle triseriale*, *Notocotylus triserialis*) (in *Anas tadorna*).—Ben., 1859, 77-80.—E. Bl., 1847, 304-308, pl. 13, fig. 2.—Brand., 1892, 508.—Braun, 1891d, 421; 1892a, 709, 762, 764; 1893a, 874, 891; 1893b, 177, 185; 1893d, 468; 1901b, 39.—Cobbold, 1872b, 90; 1877, 238; 1879b, 41, 440.—Crep., 1839, 285; 1846, 141.—Dies., 1839, 234; 1850a, 411 (syn. of *Notocotyle triseriale* Dies.); 1858c, 369 (syn. of *Notocotyle triserialis* Dies.) (in *Anas anser* dom. et ferus, *Hematopus ostralegus*, *Fulica atra*); 1859c, 437 (syn. of *Notocotyle triserialis*) (in *Anas tadorna*, *Planorbis*, *Lymnaeus*; *Belgia*).—Duj., 1845a, 355-358, pl. 8, fig. B.—Haas., 1896a, 3 (to *Notocotyle*).—Hoyle, 1890, 539 (= *Notocotyle triseriale*).—Jackson, 1888, 642.—Lamarck, 1816b, 187.—Levensen, 1881a, 78 (in *Somateria mollissima*).—Looss, 1896b, 146-153, 192-197, 228, pl. 10, figs. 94-100, pl. 14, figs. 146-151 (in *Canard* dom.; *Alexandria*) (syns.: *Notocotyle triseriale*, *N. verrucosum*); 1899b, 661, 662, 663, 664; 1901, 192 (taken by Dies. as representative of *Notocotyle*).—Mol., 1859, 823.—Mont., 1888, 67; 1892, 26, 27, 40 (to *Notocotyle*); 1892, 685.—Much., 1898, 31, 32.—Nord., 1840, 602 (syn. of *Notocotylus triserialis*), 624 (syn. *Fasc. verr. Fr.*).—Odhm., 1905, 366, 367, 368, 369, 370 (to *Catatropis*) (of Looss, 1896, syn. of *Notocotyle aegyptiaca* Odhm.).—Olfers, 1816, 48.—Rail., 1893a, 340 (to *Notocotyle*).—Risso, 1826, 262.—Rud., 1809a, 331-333 (to *Monost.*) (includes *Fasc. anseris* Gmelin, *Festucaria pedata* Schrank); 1819a, 84, 344.—Schneidemuehl, 1896, 303.—Sieb., 1835, 56, 60 (in *Fulica atra*, *Gallinula porzana*, *Phasianus gallus*, *Rallus aquaticus*).—Sons., 1897, 252.—Verrill, 1870, 179.—Wedl., 1857, 248-250, pl. 2, figs. 9-14.—Wolffhuegel, 1900, 9, 55, 56, 57.—Will.-Suhm, 1870, 7.—Reported also for *Anas anser*, *A. bernicla*, *A. boschas fera*, *A. marila*, *A. mollissima*, *A. querquedula*, *A. segetum*, *Cygnus olor*, *Harlelda glacialis*, *Machetes pugnax*, *Mergus merganser*, *Recurvirostra avocetta*, *Rhynchaspis clypeata*.

*vespertilionis* Rud., 1819a, 87 (t. h. *Vespertilio noctula*; Cat. Ent. Vien.).—Brand., 1892, 510.—Braun, 1893a, 916.—Dies., 1850a, 329-330 (in *Vesp. noc.*).—Kolenati, 1857, 11.—Mont., 1892, 712.—Also reported for *Vespertilio lasiopterus*, *Vesperugo noctula*.

*vinal-edwardsii* Lint., 1901, 416, 470, figs. 373, 374, 375, 376; 1905, 329, 335, 379, 410, figs. 220-221 (in *Opsanus tau*, *Orthopristis chrysopterus*; Beaufort, North Carolina).

*viviparæ* Linst., 1877, 185, pl. 13, fig. 16 (in *Paludina vivipara*).—Mont., 1892, 717 *wedlii* (Cobbold, 1860a, 43 (= *M. rhombi laevis* Wedl., renamed) (in *Rhombus laevis*); 1879b, 463.

*zederi* Rud., 1805a, 44 [evidently not as specific combination, but as *Monostoma Zed.*].

**MONOSTOMA** Rud., 1809a, typical subg. of *Monost.* in Rud., 1809a, 328-339 "ore antico, sive terminali." As Rud. excludes *Festucaria anatis* from *M.* (*Monost.*), his typical subg. is to be construed as distinct from *Monost. Zed.* = *Festucaria* renamed, by which it is, however, antedated.

*attenuatum* Rud., 1809a, 328-329 (t. h. *Scolopax gallinago*, *cæca*; Griefswald). See also under *Monost.*

*capitellatum* Rud., 1819a, 83, 343 (t. h. *Sparus salpa*; Naples). See also under *Monost.*

*cornu* (Zed., 1800) Rud., 1819a, 85. See also under *Monost.*

*crenulatum* Rud., 1809a, 328 (t. h. *Motacilla phœnicurus*, intest.; Griefswald). See also under *Monost.*

*crucibulum* Rud., 1819a, 83, 342-343 (t. h. *Muraena conger*, *M. cassini* (*M. myroides*); Naples) (to *Gasterost.* by Gervais & Ben., 1859) (to *Dist.* (*Crossodera*) by Duj. 1845a, 435). See also under *Monost.*

*ellipticum* Rud., 1809a, 333 (*M. bombyne* Zed., 1800, renamed). See also under *Monost.*

*filiolle* Rud., 1819a, 85-86, 347-348 (t. h. *Brama raji*; Naples). See also under *Monost.*

*foliaceum* Rud., 1819a, 83, 340-342 (t. h. *Accipenser sturio*; Arimini). See also under *Monost.*

## (MONOSTOMA)—Continued.

- galeatum* Rud., 1819a, 86, 349–350 (t. h. *Centronotus glaucus*; Naples) (to *Gasterost.*, by Stoss., 1898, 62). See also under *Monost.*
- lineare* Rud., 1819a, 83–84, 343–344 (t. h. *Tringa vanellus*). See also under *Monost.*
- macrostomum* Rud., 1809a, 337–338 (t. h. *Larus cinerarius*, intest.). See also under *Monost.*
- mutabile* (Zed., 1800) Rud., 1809a, 333–334. See also under *Monost.*
- ocreatum* (Gæze, 1782) Rud., 1809a, 329–331. See also under *Monost.*
- orbiculare* Rud., 1819a, 83, 342 (t. h. *Sparus salpa*; Naples). See also under *Monost.*
- pileatum* (Rud., 1802) Rud., 1809a, 338–339 (to *Amphist.*, by Rud., 1819a, 90). See also under *Monost.*
- prismaticum* (Zed., 1800) Rud., 1809a, 334–335. See also under *Monost.*
- sulcatum* Rud., 1809a, 337 (t. h. *Rana pipa*). See also under *Monost.*
- tenuicollis* Rud., 1819a, 85, 346–347, 577, pl. 2, figs. 1–4 (t. h. *Lampris guttatus*). See also under *Monost.*
- trigonocephalum* Rud., 1809a, 336–337 (t. h. *Testudo mydas*, stomach; Europe). See also under *Monost.*
- ventricosa* (Rud., 1802) Rud., 1809a, 335–336. See also under *Monost.*
- verrucosum* (Frölich, 1789) Rud., 1809a, 331–333. See also under *Monost.*
- MONOSTOMATA** Zed., 1800a, 150, plural for *Monostoma*.—Dowker, 1882a, 11.
- MONOSTOMATIDÆ** Gamb., 1896a, 73.
- MONOSTOMEA** Mont.—Ols., 1893.
- MONOSTOMEÆ** Mont., 1888, 7, 8, 9, 11, 12, 14, 15, 16, 18, 34, 36, 37, 41, 47, 48, 51, 52, 53, 54, 56, 90, 92, 102, 105, 108; 1892, 689.—Brand., 1888a, 49.—Braun, 1893a, 886, 887.—Par. & Perugia, 1890, 9.
- MONOSTOMEN**, German for *Monostomata*.—Stiles, 1902, 25, 26.
- MONOSTOMES** Dechambre, 1875a, 196, French for plural of *Monostoma*.
- MONOSTOMEUS** Rafinesque, 1815, 151 (new name for *Festucaria* Schrank, hence type *F. anatis*; apparently intended for *Monostoma* as it is attributed to Zed.
- [**MONOSTOMIA** Rafinesque, 1815, 150, order of *Epistomia*.]
- MONOSTOMIDA** Kolenati, 1857, 11.
- MONOSTOMIDÆ** Cobbold, 1877f, 326; 1879b, 4.—R. Bl., 1895, 729.—Brand., 1890a, 576; 1892, 505.—Braun, 1883a, 58; 1893a, 887, 890, 895, 900, 914; 1895b, 137.—Hoyle, 1890, 539 (includes *Monostomum*, *Monocotyle*).—Jackson, 1888, 642, 654 (*Monostomum*).—Kholodk., 1898, 25, 33.—Looss, 1899b, 541, 543, 658, 659, 752; 1901b, 192, 193; 1902m, 524, 700 (validity of fam. name), 701, 702, 707, 731, 838.—Luche, 1901, 174; 1901, 488.—Mont., 1888, 7, 10, 18, 21, 52, 60, 66, 67, 93, 105; 1892, Oct. 7, 214 (fam. of suborder *Malacocotylea*); 1892, 713.—Mueh., 1898, 31.—Pratt, 1902, 890, 909 (includes *Microscaphidiinae*, *Pronoccephalinae*, *Haplorchidinae*).—Schneidemuehl, 1896, 295, 296, 303.—Stoss., 1898, 63; 1902, 11.
- MONOSTOMIDEA** Ben.—Carus, 1863, 479.
- MONOSTOMIDEN**, German name.—Brand., 1892b, 7 Oct., 504–511.
- MONOSTOMIDÉS** R. Bl., 1888a, 541, 542, French for *Monostomidæ*.
- MONOSTOMULUM** Brand., 1892b, 510 [collective group for immature forms; requires no type].—Stiles, 1902s, 25, 28.
- asperum* (Vaillant, 1863) Brand., 1892b, 510 [cf. *asperum* 1857], (in *Siren lacertina*, sub cute in caps.).
- delphini* (Blainy., 1825) Brand., 1892b, 510 (in *Delphinus dalei*, in adipe folliculo inclusum).
- dubium* (Cobbold, 1858) Brand., 1892b, 511 (in *Gasterosteus spinachia*, ovarial-peritoneum in caps.).
- lentis* (Gescheidt, 1833) Brand., 1892b, 510.—Stiles, 1902s, 24–35, pl. 3, figs. 2–5 (in eye of man); 1903u, 223.
- lucanum* Brand., 1892b, 511. See also (*Glenocerc.*) *lucanicum*.
- maranula* (Rud., 1809) Brand., 1892b, 510 (in *Coregonus marænula*, ad ventric. in caps.).
- præmorsum* (Nord., 1832) Brand., 1892b, 511 (in *Abramis brama*, in regione branchiarum).

**MONOSTOMULUM**—Continued.

*rhombi lavis* (Wedl, 1855) Brand., 1892b, 511.

*setteni* (Naumann, 1840) Brand., 1892b, 511.

*viviparæ* (Linst., 1877) Brand., 1892b, 511 (in *Paludina vivipara*).

**MONOSTOMUM** Crep., 1829, v. 1, 49, for *Monostoma* Zedl., 1800.

**MONOSTROMUM** Linst., 1904p, 254, misprint for *Monostomum*.

**MONOSTUMUM** Mont., 1888, 69, misprint for *Monostomum*.

**MUSALIA** Shipley & Hornell, 1904, 93-95 (m. *herdmani*), pl. 3, fig. 51, pl. 4, figs. 58, 59, 65.

*herdmani* Shipley & Hornell, 1904, 78, 90, 93-95, pl. 3, fig. 51, pl. 4, figs. 58, 59, 65 (in *Margaritifera vulgaris*; Ceylon).

**MUTTUA** Shipley & Hornell, 1904, 90-93 (m. *margaritifera*).

*margaritifera* Shipley & Hornell, 1904, 78, 90-93, pl. 3, figs. 53-57 (in *Margaritifera vulgaris*; Ceylon).

**NEMATOBOTHRIUM** Mont., 1892, Oct. 7, 214 (g. of *Didymozoonidæ*) (for *Nematobothrium*).

**NEMATOBOTHRIUM** Ben., 1858a, 1861a, 11, 107-111, 200, 344, 345 (m. *filarina*; also by virtual tautonymy).—Braun, 1892a, 567, 569, 574, 577, 665, 696, 698, 699, 700, 707, 711, 727; 1893a, 878, 879, 886, 887, 890, 895, 914, 918; 1895b, 126, 136.—Gamb., 1896, 4, 73.—Hoyle, 1890, 539.—Jackson, 1888, 654.—Maclaren, 1904, 612, 613.—Moniez, 1891, 184-187.—Mont., 1888, 7, 18, 34, 52, 84, 93, 106; 1892, 6; 1892, Oct. 7, 214 (g. of *Didymozoonidæ*) (*Nemathobothrium*); 1893, 137.—Pratt, 1902, 890, 909.—Schneidemuehl, 1896, 295.—Tasch., 1879, 607, 614; 1879, 72.

*benedeni* (Mont., 1893) Maclaren, 1904b, 613, to (*Didymozoon*).

*filarina* Ben., 1858a, 1861a, 108-109, pl. 13, figs. 1-12 (t. h. *Sciæna aquila*) (*filarium* in descr. of plates); 1870c, 136-143, pl. 8, figs. 1-9 (embryonic form of); 1870, 32.—Braun, 1892a, 586, 784; 1893a, 914.—Cobbold, 1879b, 462.—Dies., 1859c, 426 (to *Monost.*).—Gamb., 1896a, 55, fig. 22A.—Jackson, 1888, 654.—Maclaren, 1904b, 602, 603, 606, 612, 613.—Mont., 1888, 9; 1893, 137.

*filarium* Ben., 1858, 1861a, descr. of plates, see *filarina*.

*guernei* Moniez, 1891, 184-187 (in *Thynnus alalonga*; Europe).—Braun, 1891d, 423; 1893a, 914.—Maclaren, 1904b, 603, 613.

*mola* Maclaren, 1904b, 573, 602-613, pl. 21, figs. 17, 19, 21, pl. 22, figs. 23-33 (in *Orthogoriscus mola*) (*Nemathobothrium*); 1904, June 9, 443-444; 1905, Jan. 31, 20-29; 1905, June, 317; 1905, Dec., 703.—Ziegler, 1905, 37.

*taxnioides* (Mont., 1888) Maclaren, 1904b, 613, to (*Didymozoon*).

**NEOPHASIS** Staff., 1904, May 3, 485-486 (m. *pusilla*, *νέος*=new, *φάσις*=appearance).

*pusilla* Staff., 1904, 485-486 (in *Anarrhichas lupus*; Canada).

(**NEPHROCEPHALA**) Dies., 1858d, 260-264, subg. of *Cerc.* (*Hormocerc.*), renamed, hence type probably *echinatoides*. [See, however, *infra*, p. 385.]

*echinata* (Sieb., 1837) Dies., 1858d, 260-262 (syn. *Cerc.* (*Hormocerc.*) *echinata* Sieb.) (in *Paludina vivipara*, *Planorbis corneus*, *Lymnæus stagnalis*), larva of *Dist. echinatum* Zedl.; 1858e, 344 (to *Dist.*).

*echinatoides* (Fil., 1854) Dies., 1858d, 262-263 (syns. *Cerc.* (*Hormocerc.*) *echinatoides* Fil., *Cerc. echinifera* La Valette, *Dist. echiniferum* Pag.) (in *Paludina achatina*, *P. vivipara*); 1858e, 346 (syn. of *Dist. echiniferum* La Valette).

*megacotyla* Dies., 1858d, 263 (syn. *Dist. echinatoides* Pag. nec Fil.) (in *Anodonta cygnea*; Heidelberg).

*spinifera* (La Valette, 1855) Dies., 1858d, 263-264 (in *Planorbis corneus*; Berlin).

**NEPHROCEPHALÆ** Dies., 1858d, 260.

**NEPHROCEPHALUS** Odhn., 1902, 27-29 (m. *sessilis*), not *Nephrocephala*,<sup>a</sup> 1858; 1902, 42.—Pratt, 1902, 889, 907.

*sessilis* Odhn., 1902, 27-29 (in *Nilkrokodil*).

**NEURONIA** Goodsir, (1844) (m. *monroi*).—Braun, 1889a, 341 (*Gasterost.*); 1893a, 844.

*lampetræ* Gulliver [1870, 849-850]. 1872, 103, 425 (in *Planer's lamprey*; Stour River, Canterbury).—Brown, 1899a, 490 (in *lamprey*).

<sup>a</sup> In our opinion (*Nephrocephala*, 1858) does not preoccupy *Nephrocephalus*, 1902.

## NEURONAI—Continued.

*monroi* Goodsir, (1844) (in *Gadus morrhua*).—Brown, 1899a, 490 (*munroi*).—Gulliver, 1872, 103, 425 (*monroii*).

*monroii* Goodsir teste Gulliver, 1872, 103, 425.

*munroi* Brown, 1899a, 490, for *monroi*.

NEURONAINA Brown, 1899a, 490 (see *Neuronaia*).

NITZSCHIA Haswell, 1892a, 458 (for *Nitzschia*).

NITZSCHIA Ben., 1858a, 1861a, 11, 38, for *Nitzschia*.

*hippoglossii* Ben., 1858a, 1861a, 21.

NITZSCHIA Baer, 1826a, 125 (m. *elegans* for *Hirudo sturionis* Abildg. renamed *elegans*) [not *Nitzschia* Denny, 1842, insect]; 1827b, 675–676, pl. 32, figs. 1–6.—Ben., 1858a, 1861a, 11, 38 (*Nitzschia*).—Ben. & Heese, 1864, 64, 65, 66, 67–68.—Blainv., 1828a, 567–568.—R. Bl., 1888, 130.—R. Brand., 1891d, 9.—Braun, 1890a, 411, 412, 414, 423, 425, 435, 436, 440, 450, 451, 466, 474, 484, 485, 511, 515, 516, 517, 519, 523, 526, 527; 1890c, 597; 1891d, 422; 1893a, 889.—Burm., 1837a, 530; 1856a, 251.—Dies., 1850a, 290, 425–426 (syns. *Hirudo* Abildg., *Trist.* *Nitzsch*); 1858e, 313, 363 (mentions only *elegans*).—Gamb., 1896, 73.—Goldb., 1855, 19.—Haswell, 1892a, 458 (*Nitzschia*).—Johnston, 1865, 30; 1865, 33.—Masse, 1906, 43, 48.—Mont., 1888, 10, 13, 83, 86, 87, 97; 1891, 100, 105, 107, 126; 1892, Oct. 7, 213 (g. of *Tristominæ*); 1893, 8, 210; 1899, 98, 99; 1903, 335 (subf. *Ancyrocotylinae*; f. *Tristomidæ*); 1904, 117, 122.—Nord., 1832a, 60.—Pratt, 1900, 646, 648, 658.—Tasch., 1878, 564, 566 (syn. of *Trist.*); 1879, 233.

[*dubius* see Kellogg, 1876c, 544, arthropod.]

*elegans* Baer, 1826a, 125–126 (*Hirudo sturionis* Abildg., renamed); on gills of Stör; 1827b, 660–678, pl. 32, figs. 1–6 (includes *Trist. elongata*, 1826).—Abildg. (1797), 135, pl. 3, figs. 3–5; 1794b, 55, pl. 6, fig. 1 a. b. c.—Ben. & Heese, 1864, 67–68 (syns. *Hirudo sturionis*; *Phylline*, *Trist. elongatum*, *T. sturionis*).—Blainv., 1828a, 568.—E. Bl., 1847, 323.—Braun, 1889h, 433–434 (syn. of *Trist. elongatum* *Nitzsch*); 1889k, 612.—Crep., 1846, 149.—Cuv., —.—Dies., 1850a, 426 (syns. *Hirudo sturionis* Abildg., *Trist. elongatum* *Nitzsch*, *Capsala elongata* Nord., *Trist. sturionis* Cuv. (in *Accipenser sturio*, A. guldenstædtii, A. acutirostris; Scotia); 1858e, 363.—Duj., 1845a, 323 (syn. of *Trist. elongatum*).—Johnston, 1865, 33–34, 299.—Leidy, 1887, 24.—Lint., 1903, 280.—Lint., 1898c, 508; 1901, 408, 414, 435.—Mont., 1904, 117; 1905, 117.—Moquin-Tandon, 1846a, 394.—Mueh., 1898, 11, 17.—[*Nitzsch*, 1826, 150–151.]—Nord., 1832a, 66; 1840, 602 (syn. of *Capsala elongata*).—Oken, —, 371.—Tasch., 1878, 563, 564, 565, 568 (syn. of *Trist. elongatum* *Nitzsch*); 1879, 56.

*elongata* (*Nitzsch*, 1826) Johnston, 1865, 34.—Braun, 1890a, 411, 419, 422, 424, 427, 428, 430 (*elongatum*). 431, 434, 437, 440, 445, 449, 450, 453, 456, 464, 472, 479, 489, 494, 497, 512, 527 (in *Acipenser sturio*), 547, 550; 1890e, 597, to (*Trist.*); 1892a, 667.—Gamb., 1896a, 56.—Kath., 1894a, 154.—Lint., 1901, 408, 414, 435 (in *Acipenser sturio*; Woods Hole, Mass.).—Mont., 1891, 106, pl. 6, fig. 32.—Pratt, 1900, 655, fig. 4; 657, 659.

*hippoglossi* (Mueller, 1776) Tasch., 1878, 568 (to *Trist.*) (for *hippoglossii*).

*hippoglossii* Ben., 1858a, 1861a, 21 (to *Epibdella*).—Tasch., 1878, 568 (*hippoglossi*) (to *Trist.*).

[*linearis*, a diatom.]

[*palca*, a diatom.]

*papillosa* Lint., 1898c, 508–509, pl. 40, figs. 1–6 (in *Gadus callarias*) [type U. S. N. M. 4874]; 1901, 414, 476 (in *Gadus callarias*; Woods Hole, Mass.).—Mont., 1904, 117 (to *Lintonia*); 1905, 70; 1905, 117 (to *Lintonia* as type).—Pratt, 1900, 659.

[*pulicaria*, a louse on the swift, *Chaetura pelagica*.]

[*sigmoidea*, a diatom.]

*sturionis* (Abildg., 1794) Kroyer, 1852–53a, 777 (in *Acipenser sturio* L.).

[*subtilis*, a diatom.]

NOTOCOTYLUS Nord., 1840, 602 (for *Notocotylus*).

NOTOCOTYLE Dies., 1850a, 288, 411, for *Notocotylus* 1839 (m. *triseriale*) (syns. *Fasc. Frelich*, *Festucaria* Schrank, *Monost. Zed.*, *Notocotylus* Dies.); 1858e, 314, 369; 1859c, 437–438.—Brand., 1891d, 22; 1892, 506, 508.—Braun, 1890a, 515; 1893a, 887, 890, 891, 893, 895, 914, 916, 918; 1893b, 179, 185; 1893d, 466; 1901b, 51, 52; 1901c, 346.—Cohn, 1904, 230.—Gamb., 1896a, 73.—Goldb.,

## NOTOCOTYLE—Continued.

- 1855, 17.—Hoyle, 1890, 539 (N. triseriale Dies.=Monost. verrucosum).—Jackson, 1888, 642 (cf. Monost. verrucosum).—Looss, 1894a 131, 204; 1896b, 147, 1899b, 661-664, 665, 667; 1901, 192 (cf. Monost. verrucosum); 1902m, 546, 602, 610, 612, 639, 701.—Luehe, 1901, 174.—Mont., 1888, 84, 93, 106; 1892m, 24-46, pl. 1, figs. 1-19; —126; 1892, Oct. 7, 182, 183, 214 (gen. of Monostomidae); 1892; 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 702, 703, 704, 705, 706, 708, 709, 713, 714; 1893, 15, 24, 27, 28, 52, 83, 84, 91, 105, 108, 144, 205; 1896, 151.—Odhm., 1905, 367, 368, 370.—Ofenheim, 1900, 156, 183.—Ssinitzin, 1896, in 1-20, 1 pl. (in birds at Warschau).—Stoss., 1902, 5.—Tasch., 1879, 234.
- xyptiaca* Odhn., 1905, 370 (Monost. verrucosum cf Looss, 1896, renamed).
- alveatum* (Mehlis, 1845) Mont., 1892, 39, 41, pl. 1, fig. 8 (in *Anas penelope*, *Fuligula marila*, *Harelda glacialis*, *Oidemia fusca*, *Somateria mollissima*).—Braun, 1893a, 916; 1893b, 185.
- diserialis* Ssinitzin (1896) (in *Rallus aquaticus*).
- proteus* (Brand., 1891) Mont., 1892, 703; 1892, 30.
- triseriale* (Dies., 1839) Dies., 1850a, 411-412 (syns. Fasc. verrucosa Frølich, F. anseris Gmelin, Festuc. pedata Schrank, Monost. verrucosum Zed., M. marillæ Rud., M. lineare Rud.); 1858c, 369 (in *Anas anser* dom. et ferus, *Hæmatopus ostralegus*, *Gryphæ*; *Fulica atra*); 1859c, 437 (syn. Monost. verr.) (in *Anas tadorna*, *Planorbis*, *Lymnæus*; Belgium).—Ben., 1858a, 1861a, 78 (syn. of Monost. verr.).—Brand., 1891d, 22 (*triserialis*).—Braun, 1892a, 581; 1893a, 916; 1893b, 177.—Hass., 1896a, 3 (syn. of N. verr. (Frølich)).—Hoyle, 1890, 539 (= Monost. verr.).—Kowal., 1895g, 41 (1).—Landois, 1882, 23 (*triserialis*).—Looss, 1894a, 204; 1896b, 146 (syn. of Monost. verr.).—Mont., 1892, 26, 40 (syn. of N. verr. Frølich).—Odhm., 1905, 367 (syn. of *Catantropis verrucosa*, type of *Catat.*); 1905, 370.—Rail., 1893a, 340 (= N. verr.).—Also reported for *Anas querquedula*, *Anser albifrons*, *A. cinereus*, *A. cinereus* dom., *A. segetum*, *Fuligula ferina*, *Harelda glacialis*).
- verrucosum* Mont., 1892, 40 (for *verrucosum*).
- verrucosum* (Frølich, 1789) Mont., 1892, 28, 29, 30, 39, 40 (*verrucosum*), 41, pl. 1, figs. 1-7, 9-16 (syns. Monost. verr. Zed., M. attenuatum Rud., M. ovatum Mol., *Notocotyle triseriale* Dies.) (in *Anas bewikii*, *A. boschas* dom., *A. boschas* fer., *A. penelope*, *A. querquedula*, *Anser albifrons*, *A. cinereus* ferus, *A. cinereus* dom., *A. leucopsis*, *A. segetum*, *Ascolopax gallinago*, *Cairina moschata*, *Crex pratensis*, *Cygnus musicus*, *Fulica atra*, *Fuligula cristata*, *F. ferina*, *F. marila*, *Gallinula chloropus*, *Gallus gallinaceus*, *Glaucio clangula*, *Hæmatopus ostralegus*, *Harelda glacialis*, *Mergus merganser*, *M. serrator*, *Oidemia fusca*, *Ortygometra porzana*, *Rallus aquaticus*, *Rhynchaspis clypeata*, *Somateria mollissima*, *Tadorna vulpanser*, *Vanellus cristatus*); 1892, 689, 690, 691, 703, 709; 1893, 24, 51.—Braun, 1893a, 916; 1893b, 185.—Kowal., 1896d, 254 (4) (in *Anas boschas*, *A. crecca*, *Fuligula marila*; Dublin).—Hass., 1896a, 3 (syns. Fasc. verr. (Frølich), Monost. verr. (Frølich), M. attenuatum Rud., M. lineare Rud., *Notocotylus triserialis* Dies., *Notocotyle triseriale* (Dies.)) (in *Gallus* dom.).—Looss, 1896b, 146 (syn. of Monost. verr. Frø.); 1899b, 661, 662, 663, 664, 770; 1902m, 444; (*verrucosa*: *Cerc. imbricata* Looss), 807.—Odhm., 1902, 63 (*verrucosa*).—Olas., 1893, 12-13.—Rail., 1893a, 340.—Stoss., 1901, 92 (4) (in *Rallus aquaticus*; Trieste).
- verrucosa* Odhn., 1902, 63 (for *verrucosum*).
- NOTOCOTYLUS** Dies., 1839a, 234 (m. *triserialis*).—Braun, 1893a, 884.—Cobbold, 1877, 237, 238; 1877f, 326; 1879b, 360.—Mont., 1892, 26 (syn. of *Notocotyle*).—Moul., 1856a, 16.—Nord., 1840, 601-602 (*Nocotylus*).—Pratt, 1902, 890, 910.
- triserialis* Dies., 1839a, 234-235 (syns. Fasc. verrucosa Frølich, F. anseris, Fest. pedata Schrank, Monost. verrucosum Zed.) (in *Anas anser* dom., *A. anser*, *A. querquedula*, *A. boschas* dom., *A. marila*, *A. penelope*, *A. albifrons*, *Cygnus bewikii*, *Fulica atra*, *Gallinula porzana*, *Phasianus gallus*, *Rallus aquaticus*; Europe), pl. 15, figs. 23-25; 1850a, 411, to *Notocotyle*; 1858c, 369 (in *Anas anser* dom. et ferus, *Hæmatopus ostralegus*, *Greifswald*; *Fulica atra*).—Ben., 1858a, 1861a, 78 (syn. of Monost. verrucosum).—Crep., 1849a, 68.—Hass., 1896a, 3 (syn. of N. verr. (Frølich)).—Nord., 1840, 602 (*Nocotylus*) (syns. Fasc. verr., F. anseris, Monost. verr.).—Odhm., 1905, 366 (syn. of *Catantropis verrucosa* (Frølich)).—Rail., 1893a, 340.
- OCBOTRYUM** Moul., 1856a, 10, misprint for *Octobothrium*.

OCHELOSOMA Braun, 1901g, 944 (m. monstruosum); 1902b, 64, 65, 67.—Pratt, 1902, 888, 902.

*monstruosum* Braun, 1901g, 944 (in *Corone venustissima*; West Indies); 1902b, 65.

OCREATA Gœze, 1782a, 41, 182–183, a "Gattung" of *Fasciola* Gœze, from a Maulwurf.

OCTANGIINÆ Looss, 1902m, 699.

OCTANGIUM Looss, 1902m, 433, 633, 634, 637, 642, 645, 649, 650, 652, 653, 657, 660, 668, 670, 674, 675, 682, 684–685, 686, 687, 698, 699, 824 (tod. *sagitta*). family Angiodictyidae.

*hasta* Looss, 1902m, 686–687, 690, 697, pl. 29, figs. 128–132, 133b (in *Chelone mydas*; apparently Egyptian coast).

*sagitta* (Looss, 1899) Looss, 1902m, 416, 633, 636, 685–686 (syns. *Monost. proteus* ohne Geschlechtsproducten, of Walter, 1893, 197, pl. 10, figs. 13, 18, 19, etc., *Microscaphidium sagitta* Looss, 1899), 687, 697, pl. 29, figs. 122–127, 133a, pl. 30, figs. 143, 144.

OCTOBOTHRIINÆ Mont., 1903, 336, misprint for Octobothrinae (f. Octocotylidae).

OCTOBOTHRIDÆ Mont., 1888a, 86, 88, for Octobothriidae.

OCTOBOTHRIDEA Tasch.—Ols., 1893, 4, subf. to contain Octobothrium, Diplozoon, Diporpa.

OCTOBOTHRII E. Bl., 1847, 330–331 (for Onchobothriens of Duj., 1845a, 312) (tribe of Trematoda, contains Axine, Diplozoon, Diporpa, Octobothrium, Polyst.).

OCTOBOTHRIDÆ Tasch., 1879, 235, 236, 238 (syn. Octocotylidae Ben.); 1879, 68 (syn. Octocotylidae Ben.).—Braun, 1890a, 516, 517, 533, 538.—Hoyle, 1890, 539 (Octobothrium, Anthocotyle, Phyllocotyle, Platycotyle, Pleurocotyle, Diplozoon, Hexacotyle, Plectanocotyle).—Jackson, 1888, 654 (Octobothrium, Diplozoon).—Mont., 1888a, 86 (Octobothridæ), 88.

OCTOBOTHRINÆ Mont., 1903, 336.

OCTOBOTHRIMUM F. S. Leuck., 1827a, 24 (m. lanceolatum); 1828, 18 (nec Dies., 1850a, Cestode) (m. lanceolatum); 1842a, 18, 29 (syns. *Mazocraes*, Octost.).—Ben., 1856e (Octobothrium du Merlan); 1858a, 1861a, 11, 44–45, 57, 193, 197, 345; 1868, 22.—Ben. & Hesse, 1864, 61, 102.—Braun, 1889k, 620, 621; 1890a, 445, 451, 469, 471, 477, 480, 489, 490, 515, 516, 517, 518, 522, 523, 534; 1891d, 422; 1895a, 1204; 1900a, 1654, 1657, 1671, 1672, 1679, 1684, 1705, 1726.—Burm., 1837a, 530.—Carus, 1863, 477–478.—Cerf., 1895h, 916, 920, 921; 1895m, 139; 1896, 516, 546; 1899a, 391.—Cobbold, 1879b, 35, 41.—Crep., 1838, 84; 1839, 291.—Dies., 1850a, 417 (of Nord., syn. of *Didiodaphora*), 419 (of Nord., syn. of *Cyclocotyle*), 421 (syn. of *Octocotyle* Dies.), 423 (syn. of *Discocotyle* Dies.), 480, 603 (Dies., n. g., cestode, m. rostellatum); 1863, 284.—Duj., 1845a, 312–313, 314–315, O. (*Cyclocotyle*).—Gamb., 1896a, 56, 73.—Goto, 1891a, 161, 174, 178, 183, 184; 1891c, 103; 1893a, 798.—Haswell, 1892b, 149; 1893c, 114.—Hoyle, 1890, 539 (of Nord.).—Ijima, 1884c, 638.—Jackson, 1888, 654.—Johnston, 1865a, 30, 31.—Kath., 1894a, 148.—Kroyer, 1843–45a, 166 (in *Lota molva* Cuv.).—R. Leuck., 1863a, 450, 615.—Looss, 1892, 72, 73.—Mayer, 1841a, 25, 33.—Mont., 1888, 83, 84, 88, 89; 1893, 111; 1903, 336 (syns. *Glossocotyle* [+*Ophicotyle*]) (subf. Octobothrinae).—Nord., 1832a, 69, 76–77; 1840, 599.—Par. & Perugia, 1896, in 135–138; 1896, 4 pp.; —, 653.—Pratt, 1900, 646, 652, 656, 660, fig. 33.—St.-Remy, 1898, 523, 544–545.—Schneider, 1866, 334.—Scott, 1901, in 120–153; 1901, 145.—Tasch., 1879, 232, 233, 238, 239, 240, 241, 242, 243; 1879, 248 (of Grube) (syn. of *Pleurocotyle* Gerv. & Ben.); 1879, 35, 59, 69.

1856: *Obotryum* Moul., 1856a, 10, misprint.

*alosa* Leuck., (1828).—Cerf., 1895h, 918, 920, 921, 922; 1895m, 140; 1896, 516, 517, 547.—Duj., 1845a, 313 (syn. of *O. lanceolatum*) (in *Clupea alosa*; Rennes).—Mayer, 1841a, 19, pl. 3, figs. 1–8.

*alosa* (Ben. & Hesse, 1863) Braun, 1890a, 414, 418, 534, O. (*Glossocotyle*), 548 (Brest), 550 (in *Alosa vulgaris*).—Tasch., 1879, 244 (syn. *Glossocotyle alosa*) (in *Alosa vulgaris*).—St.-Remy, 1898, 545.

*alosa* (Hermann, 1782) E. Bl., —.—Ben. & Hesse, 1858a, 1861a, 46 (syn. of *O. lanceolatum*).—Scott, 1901, 8; 1901, 145, pl. 8, fig. 21 (in *Clupea alosa*, C. finta); 1905, 118.—Tasch., 1879, 244 (syn. of *O. lanceolatum* Leuck.).

*alosa* of Mayer, 1841a, 19, see *lanceolatum alosa*.—Baird, 1853a, 40 (= *O. lanceolatum*).

## OCTOBOTHRUM—Continued.

- arcuatum* (Sons., 1890) Braun, 1890a, 534 (= *Vallisia striata* Par. & Perugia), 551 (in *Lichia amia*).
- bellones* (Otto, 1823) Tasch., 1879, 245-246 (syn. *Cyclocotyle bellones* Otto) (in *Bellone acus*).—St.-Remy, 1898, 555.
- belones* (Otto, 1823) Nord., 1840, 600 (for *bellones*) (syn. *Cyclocotyla bellones* Otto). Dies., 1850a, 419 (to *Cyclocotyle*).
- bramæ* Par. & Perugia, 1896, 1 (in *Brama rayi*; Genova).—St.-Remy, 1898, 548 (to *Octocotyle*).
- chrysophryi* (Ben. & Hesse, 1863) Braun, 1890a, 418, 535, 548, 550.—Tasch., 1879, 247 (syn. *Choricotyle chr.* Ben. & Hesse) (in *Chrysophrys aurata*).
- denticulatum* Ols., 1876, 10, pl. 1, figs. 13-17 (in *Gadus virens*).—Braun, 1890a, 418, 499, 514, 534, 548, 550.—Cerf., 1895h, 914, 921 (in *Gadus carbonarius*; Skagerrack); 1896, 510-511, 516.—Lint., 1900, 269, 283, 286, pl. 33, figs. 6-10; 1901, 408, 414, 474 (in *Pollachius virens*; Woods Hole, Mass.).—Par., 1899, 4; 1902, 3 (in *Gadus minutus*; Elba).—St.-Remy, 1898, 549 (to *Dactylocotyle*).—Tasch., 1879, 246 (in *Gadus virens*).
- digitatum* Rathke, (1843), 242-244, pl. 12, figs. 13-15 (in *Hippoglossus gigas*; Norway).—Ben., 1858a, 1861a, 50, 51.—Cerf., 1895h, 917 (syn. of *O. palmatum*); 1896, 513.—Dies., 1850a, 418 (syn. of *Diclidophora palmata*); 1858e, 384 (syn. of *Dicl. pal.*); 1859c, 443, to *Octoplectanum*.—Johnston, 1865, 31.—Tasch., 1879, 246 (syn. of *Octob. pal.*).
- [*dipsacum* Lint., 1897a, 806, a cestode.]
- esmarkii* Scott, 1901, 147, pl. 8, fig. 22 (in *Gadus esmarkii*; Shetland); 1905, 118.
- finta* (Ben. & Hesse, 1863) Tasch., 1879, 244 (type of *Ophicotyle* Ben. & Hesse) (in *Alosa finta*).—Braun, 1890a, 414, 418, 452, 534, 548, 550.—St.-Remy, 1898, 546.
- harengi* (Ben. & Hesse, 1863) Tasch., 1879, 244 (in *Clupea harengus*).—Braun, 1890a, 414, 418, 452, 534, 548, 550.—St.-Remy, 1898, 545.—Scott, 1901, 145-146 (in *Clupea harengus*); 1905, 118.
- heterocotyle* (Ben., 1870) Tasch., 1879, 245 (in *Clupea sprattus*).—St.-Remy, 1898, 555.
- hirudinaceum* Bartels, 1834, 61 (t. h. *Salmo lavaretus*; St. Petersburg).—Crep., 1839, 291.—Duj., 1845a, 315 (to *Cyclocotyle*).—Leuck., 1842, 30.—St.-Remy, 1898, 555.
- hirundinaceum* Dies., 1850a, 424, for *hirudinaceum* (to *Discocotyle*) (in *Coregonus wartmanni*).
- lanceolatum* Leuck., 1827a, 24 (in *Clupea alosa*; Germany); 1828, 18, pl. 1, fig. 7a-b (in *Alosa vulgaris*); 1842, 29.—Ben., 1858a, 1861a (of Duj.), 45-49, 50, 51, 53, 168, 169, 170, 172, 176, 186, 189, 190, 196, pl. 5, figs. 1-18 (syns. *Mazocraea alosæ* Hermann, *Octob. alosæ* Leuck., *Octost. alosæ* Kuhn, *Octocotyle lanceolata* Dies.); 1868, 5; 1868, 34, figs. 11-12.—Ben. & Hesse, 1864, 101.—Braun, 1890a, 407, 414, 419, 429, 431, 438, 439, 442, 448, 452, 453, 476, 483, 485, 489, 490, 494, 511, 534, 548, 550; 1891a, 52, 54.—Cobbold, 1872b, 90; 1879b, 41.—Crep., 1838, 84; 1839, 291.—Dies., 1850a, 422 (to *Octocotyle*); 1859c.—Duj., 1845a, 313, pl. 8, fig. F.—Fraip., 1880a, 400; 1880c, 416, 433; 1883a, xxxvi.—Jackson, 1888, 646, 649.—Kerbert, 1881a, 556.—Kroyer, 1846-53a, 218 (in *Alosa finta* Cuv.).—Looss, 1894a, 234.—Mont., 1893, 112.—Nord., 1832a, 58, 76, 77 (syns. *Octost. alosæ* Kuhn, *Maz. alosæ* Herm.); 1840, 599 (syns. *Maz. alosæ* Herm., *Octost. alosæ* Kuhn).—Par., 1896, 1.—St.-Remy, 1898, 545.—Tasch., 1879, 241, 242, 244 (syns. *Maz. alosæ* Herm., *Octost. alosæ* Kuhn, *Octob. alosæ* (Herm.) E. Bl., *Octocotyle lanceolata* Dies., *Octoplectanum lanceolatum* Dies.) (in *Alosa vulgaris*).
- lanceolatum alosæ* Mayer, 1841a, 19-25, 4 (*lanceolatum*), pl. 3, figs. 1-9, Hermann's species.
- leptogaster* Leuck., 1830a, 612 (t. h. *Chimera monstrosa*; Europe); 1842a, 22-23, 30, pl. 1, fig. 5, pl. 2, figs. 2a-b.—Braun, 1890a, 418, 514.—Dies., 1850a, 424 (to *Discocotyle*).—Duj., 1845a, 314-315 (to *Cyclocotyle*).—St.-Remy, 1898, 546.—Tasch., 1879, 245 (syns. *Discocotyle lept.* Dies., *Placoplectanum lept.* Dies.) (in *Chim. monst.*).—Wagener, 1852, 544.
- lusca* (Ben. & Hesse, 1863) Tasch., 1879, 247 (in *Morrhua lusca*).—Braun, 1890a, 418, 535, 551.



## OCTOBOTHRIUM—Continued.

- merlangi* (Kuhn, 1830) Nord., 1832a, 76, 78–80, 81, pl. 7, figs. 1–5 (in *Gadus merlangus*), 115, pl. 7, figs. 1–5; 1840, 599.—Ben., 1856a, —; 1856e, —; 1857n; 1858a, 1861a, 49–52 (syn. *Diclidophora longicollis* Dies.) (in *Gad. merl.*).—Braun, 1889h, 621; 1891a, 52; 1890a, 410, 415, 419, 424, 452, 453, 534, 546, 548, 549, 550, 551; 1893b, 179.—Cerf., 1895h, 915–916 [920], 921 (syns. *Octob. platygaster* Leuck., *Dicl. longic.* Dies., *Octoplectanum longic.* Dies., *Octob. squillarum* Par. & Perugia) (in *Gad. merl.*); 1896, 511, 516.—Crep., 1838b, 84; 1839a, 291.—Dies., 1850a, 417 (renamed *Diclidophora longicollis*); 1858c, 384 (syn. of *Dicl. longic.* Dies.); 1859c, 443.—Duj., 1845a, 314 to (*Cyclocotyle*).—Gamb., 1896a, 56, fig. 23.—Scott, 1901, 146–147 (in *Gad. merl.*); 1901, 343 (in *Gad. merl.*; Irish Sea); 1905, 118 (Scott, 1895, pl. 4).—Tasch., 1879, 241, 242, 245 (syns. *Dicl. longic.* Dies., *Octoplectanum longic.* Dies.) (in *Merlangus communis*, *Cymothoa cestroides*).—Reported also for *Box salpa*, *Boops* sp., *Bopyrus squillarum*.
- minus* Olss., 1876, 10 (in *Gadus melanostomus*).—Braun, 1890a, 418, 514, 534, 548, 550.—Cerf., 1895h, 922; 1896, 517; 1898a, 302 (in *Gad. mel.*).—Tasch., 1879, 246 (in *Gad. mel.*).
- morrhua* (Ben. & Hesse, 1863) Tasch., 1879, 246 (in *Gadus morrhua*).—Braun, 1890a, 419, 535, 548, 550.
- palmatum* Leuck., 1830a, 612 (t. h. *Gadus molva*; Germany); 1842a, 24–28, 30, pl. 1, fig. 4 (in *Gad. mol.*).—Ben. & Hesse, 1864, 107 (to *Pterocotyle*).—Braun, 1890a, 419, 492, 494, 497, 514, 535, 548, 551.—Cerf., 1895h, 916–917, 921 (syns.: *Octodactylus* [type] *inhærens* Dalyell, *Octob. digitatum* Rathke, *Diclidophora* pal. Dies., *Pterocotyle* pal. Ben. & Hesse, *Octoplectanum* pal. Dies.) (in *Gad. mol.*); 1896d, 513, 516.—Dies., 1850a, 418 (to *Diclidophora*).—Duj., 1845a, 314 to (*Cyclocotyle*).—Johnston, 1865a, 31.—Kroyer, 1838–40a, 608 (in *Lota molva* L.).—Tasch., 1879, 241, 242, 246 (syns.: *O. digitatum* Rathke, *Dicl. pal.* Dies., *Octoplectanum* pal. Dies., *Octodactylus inhærens* Dalyell, *Pterocotyle* pal. Ben. & Hesse) (in *Molva vulgaris*, *Hippoglossus gigas*).—Reported also for *Gadus merlangus*.
- phycidis* (Par. & Perugia, 1889) Braun, 1890a, 418, 535, 548, 551 (in *Phycis blennoides*).
- pilchardi* (Ben. & Hesse, 1863) Tasch., 1879, 244 (in *Clupea pilchardus*).—Braun, 1890a, 414, 418, 534, 548, 550.—St.-Remy, 1898, 546.
- platygaster* Leuck., 1842a, 30 (in *Gadus merlangus*).—Cerf., 1895h, 915 (syn. of *O. merlangi*); 1896a, 511.—Duj., 1845a, 314 (syn. of *O. merlangi*).
- pollachii* (Ben. & Hesse, 1863) Tasch., 1879, 246–247 (in *Merlangus pollachius*).—Braun, 1890a, 415, 418, 452, 535, 548, 551.—Par. & Perugia, 1891, 18, to (*Dactylocotyle*).
- [*rostellatum* Dies., 1850a, 603 (syns. *Tænia erythrini* Fabricius, *Halysis octolobata* Zed., *Tænia octolobata* Rud.) (in *Sebastes norvegicus*); 1863, 284 (misprint *Onchobothrium rostellatum* Dies.).—Braun, 1895a, 1204.—Kroyer, 1852–53a, 595?, 1261.—Luehe, 1899, 542.—Zschokke, 1903, 27, 28.]
- sagittatum* Leuck., 1842a, 49–57, pl. 2, figs. 5a–k (in *Salmo fario*).—Braun, 1890a, 518, 534, 548, 551.—Dies., 1850a, 424 (to *Discocotyle* as type); 1858e, 384 (syn. of *Diclidophora palmata*); 1859c, 443 (syns. *Octoplectanum longicolle*, *O. palmatum*).—Duj., 1845a, 314.—Hofer, 1903e, 38–39, 1 fig. (pernicious anemia).—Pratt, 1900a, 656, 657, 660 (key), fig. 33.—St.-Remy, 1898, 555.—Tasch., 1879, 241, 243–244 (syns. *Cyclocotyle lanceolata*, *Discocotyle* sag., *Placoplectanum* sag.) (in *Salmo fario*).—Also reported for *Coregonus lavaretus*, *Salmo trutta*.
- scomberi* (Kuhn, 1829) Nord., 1832a, 76, 77–78 (in *Scomber scomber*); 1840, 599.—Ben. & Hesse, 1864, 100 (of Grube to *Pleurocotyle*).—Braun, 1890a, 410, 418, 452, 514, 534, 548, 552.—Burm., 1837, 530.—Crep., 1838b, 84; 1839a, 291.—Dies., 1850a, 422 (syn. of *Octocotyle tunicata*); 1858e, 385 (of Grube, renamed *Grubea cochlear*, type of Grub.).—Duj., 1845a, 313, pl. 8, fig. e.—Grube, 1855a, 137–140, pl. 6, figs. 1–3 (on *Scomber scomber*), see also *Tetracotyle scomberi*.—Leuck., 1842a, 30.—Scott, 1901a, 344 (in *Mackerel*; Manx coast); 1901, 146, pl. 8, fig. 20 (in *Scomberscombrus*); 1905, 118.—Stoss., 1898, 12.—Tasch., 1878, 574, 575, 576 (of Grube, to *Pleurocotyle*); 1879, 241, 242, 243 (syn. *Octocotyle truncata*, *Octoplectanum trunc.*, *Octocotyle* sc.) (in *Sc. scombrus*, *S. colias*; Naples), 248 (of Grube) (to *Pleurocotyle*).
- smaris* Ijima, in Goto, 1894a, 207, see sub *Diclidophora*.—Cerf., 1895m, 140; 1896, 547.

## OCTOBOTHRIUM—Continued.

species Ijima, 1884c, 637.

species Braun, 1890a, 472.

*squillarum* (Par. & Perugia, 1889) Cerf., 1895h, 916, syn. of *Octob. merlangi* (Kuhn); 1896, 512.—St.-Remy, 1898, 555 (syn. of *Dactylocotyle merlangi*, teste Parona).

*taschenbergii* (Par. & Perugia, 1898) Braun, 1890a, 535, 548, 552 (in *Sargus rondeletii*).

*thunninæ* (Par. & Perugia, 1898) Braun, 1890a, 419, 534, 548, 552 (in *Thynnus thunnina*).

## OCTOBOTHRYUM Fraip., 1883a, 36, for Octobothrium.

## OCTOCOLYTE Mont., 1888a, 57 (for Octocotyle).

OCTOCOTYLE Dies., 1850a, 289, 421–422 (includes lanceolata [type by inclusion] and truncata); 1858e, 382–393, renamed Octoplectanum, (syns. Mazocraes, Octobothrium, Octostoma).—Ben. & Hesse, 1864, 96, 97.—Braun, 1890a, 477, 516, 517, 518, 522, 546; 1893a, 890.—Burm., 1856a, 251.—Cerf., 1895h, 918, 920; 1895m, 139; 1896, 514, 515, 516, 547; 1899a, 391.—Cunningham, 1897a, 279.—Goldb., 1855a, 19.—Goto, 1893a, 798; 1894a, 201.—Mont., 1888a, 7, 8, 11, 59, 66, 86, 89, 99; 1892, Oct. 7, 213 (g. of Octocotylinæ) (contains as subg.: Vallisia, Anthocotyle, Diplozoon, Hexacotyle, Phyllocotyle, Plectanocotyle, Platycotyle, Pleurocotyle); 1903, 336 (subf. Octocotylinæ).—Pratt, 1900, 646, 652 (key), 656, fig. 34.—St.-Remy, 1898, 523, 545, 546.—Stoss., 1898, 12.—Tasch., 1879, 239, 241, 242.—See Mazocraes 1782.

1858: Octoplectanum Dies., 1858e, 382 (Octocotyle renamed, hence same type).

1888a: Octocolyte Mont., 1888a, 57, misprint.

1894: Octocotyle: Par., 1894, 594, misprint.

*appendiculata* (Kuhn, 1829) Sons., 1890, 176.

*arcuata* Sons., 1890, 112–113 (on *Lichia amia*: [Mus. Pisa]); 1890, 137–139 (syn. of *striata* Par. & Perugia).—Par. & Par., 1891, 17.

*bramæ* (Par. & Perugia, 1896) St.-Remy, 1898, 547–548 (in *Brama rayi*).

*emarginata* (Ols., 1876) Sons., 1890, 176.

*harengi* Ben. & Hesse, 1863, 1864, 98–99, pl. 9, figs. 1–10 (in *Clupea harengus*).—Braun, 1890a, 498.—Mont., 1888a, 13.—Tasch., 1879, 244 (to Octobothrium).

*lanceolata* (Leuck., 1828) Dies., 1850a, 422 (includes Mazocraes aloë Hermann, Octobothrium lanceolatum Leuck., Octostoma aloë), in *Aloë vulgaris*; 1858e, 383 (to Octoplectanum); 1859c, 442 (to Octoplectanum).—Baird, 1853a, 40.—Ben., 1858a, 1861a, 44, 46 (to Octobothrium).—Cerf., 1895m, 139; 1896, 547.—Hausmann, 1897b, 4, 7, 20, 23 (in *Aloë vulgaris*).—Mont., 1888a, 13, 34; 1888, 26 (lanceolatus); 1893, 111.—Tasch., 1879, 244 (to Octobothrium).

*lanceolatus* Mont., 1888a, 26, for lanceolata.

*leptogaster* (Leuck., 1830, 1842) Par. & Perugia, 1890, 6, to (Octobothrium); 1892, 2–5 (87–90), pl. 3, figs. 7–8.—Par., 1894, 135 (in *Chimæra monstrosa*; Nizza).—Wagener, 1852, 544.

*major* Goto, 1894a, 203–205, pl. 9, figs. 1–6 (on gills of *Scomber colias*; Misaki); 1899, 274, 275, 276.—Cerf., 1895m, 140 (in *Sc. col.*); 1896, 547.—St.-Remy, 1898, 546–547.

*majus* St.-Remy, 1898, 547, misprint for major.

*merlangi* (Kuhn, 1829) Mont., 1888a, 11, 26; 1890, 420; 1893, 111.—Par., 1894, no. 727; 1894, no. 1060.

*minor* Goto, 1894a, 205–206; pl. 9, figs. 7–13 (on gills of *Scomber colias*; Japan); 1899, 274, 275, 276.—Cerf., 1895m, 140 (in *Sc. col.*); 1896, 547.—St.-Remy, 1898, 547.

*pilchardei* Mont., 1888a, 66, misprint for pilchardi.

*pilchardi* Ben. & Hesse, 1863, 1864a, 99, pl. 9, figs. 29–35 (on *Clupea pilchardus*).—Braun, 1890a, 498.—Mont., 1888a, 13, 66 (pilchardei).—Tasch., 1879, 244 (to Octobothrium).

*scombr* (Kuhn, 1829) Ben. & Hesse, 1864a, 97–98 (on maquereau).—Cerf., 1895m, 140 (in *Scomber scombrus*); 1896, 547.—Goto, 1899a, 274–276.—Kroyer, 1838–40a, 595 (in *Sc. sc.*).—Mont., 1890, 421.—Par. & Perugia, 1889, 742, fig. 3 (in *Sc. sc.*; Genova); 1890, 742, fig. 3; 1890, 6.—Par., 1894, 503.—Pratt, 1900, 656, 657, 660, fig. 34.—St.-Remy, 1898, 546.—Staff., 1904, 482 (in *Sc. sc.*; Canada).—Stoss., 1892, 66; 1898, 12.—Tasch., 1879, 243 (to Octobothrium).—Also reported for *Sc. colias*.

## OCTOCOTYLE—Continued.

species Mont., 1888a, 57, 58.

*striata* (Par. & Perugia, 1890) Sons., 1890, 137–139 (syn. *O. arcuata* Sons.) (in *Seriola dumerilii*, Pisa; *Lichia amia*, Pisa and Trieste); 1891, 9. März, 87–88, to (Vallisia).

*thunninae* Par. & Perugia, 1889, 742–743, fig. 4 (in *Thynnus thunnina*; Genova); 1890, 742–743, fig. 4 (in *Th. thunnina*; Genova); 1890, 6.—Par., 1894, 594 (Octocotyle).—St.-Remy, 1898, 557.

*thynni* Par. & Perugia, 1891, 19 [lapsus for *thunninae*?].

*truncata* Dies., 1850a, 422 (*Octostoma scombri*, Kuhn, 1829, renamed) (t. h. *Scomber scombrus*; Rhedoni); 1858c, 383 (to *Octoplectanum*).—Cerf., 1895m, 139, [140]; 1896, 547.—Stoss., 1898, 12.—Tasch., 1879, 243 (to *Octobothrium*).

OCTOCOTYLIDÆ Ben. & Hesse, —.—Braun, 1890a, 511, 516, 517, 519, 523, 533, 546.—Cerf., 1895e, 523; 1896d, 497–560, pls. 22–25; 1896, 509, 1899a, 345; 365, 452.—Mont., 1888a, 8, 11, 13, 18, 20, 34, 66, 84 (*Octocotylides*), 88, 89, 90, 99, 108; 1903, 336 (subf. *Onchocotylinae*) (g. *Squaloncocotyle*, *Onchocotyle* [= *Acanthoncocotyle*], *Rajonchocotyle*); *Octocotylinae* (g. *Octocotyle*, *Dactycotyle* [= *Pterocotyle*]); *Octobothrinae* (g. *Octobothrium* [= *Glossocotyle* (+ *Ophicotyle*)], *Diplozoon*, *Vallisia*); *Diclidophorinae* (g. *Diclidophora* [= *Choricotyle*], *Cyclobothrium*, *Heterobothrium*); *Plagiopeltinae* (g. *Hexacotyle* [= *Plagiopeltis*]); *Diaphorocotylinae* (g. *Erpocotyle*, *Anthocotyle*); 1905, 77.—Par. & Perugia, 1890, 6 (= *Polystomeae* Tasch.).—Scott, 1901, 141.—Sons., 1890, 138.—Tasch., 1879, 68 (syn. of *Octobothriidae*); 1879, 235 (*Octocotylides*); 1879, 236 (syn. of *Octobothriidae*).

OCTOCOTYLIDES Cerf., 1900, 436–438.

OCTOCOTYLINÆ Braun, 1893a, 890.—Gamb., 1896, 73.—Mont., 1892, Oct. 7, 213 (subf. of *Polystomidae*); 1903, Dec., 336 (f. *Octocotylidæ*).—Pratt, 1900, 651 (includes: *Octocotyle*, *Octobothrium*, *Dactylocotyle*, *Diclidophora*, *Anthocotyle*, *Vallisia*, *Diplozoon*, *Phyllocotyle*, *Hexacotyle*, *Plectanocotyle*, *Platycotyle*, *Pleurocotyle*).—St.-Remy, 1898, 523, 544.—Scott, T., 1901, 141.

OCTOCOTYTE Par., 1894, 594, misprint for *Octocotyle*.

*thunninae* (Par. & Perugia, 1889) Par., 1894, 594.

OCTODACTYLUS Dalyell, 1853a, 262 (m. *inhærens*).—Braun, 1890a, 518.—Goto, 1893a, 798.—Tasch., 1879, 239.

*inhærens* Dalyell, 1853a, 262–263, pl. 36, figs. 1–2 (on the ling).—Ben. & Hesse, 1864a, 107 (syn. of *Pterocotyle palmata* Ben. & Hesse).—Braun, 1889a, 348 (is *Octobothrium*).—Cerf., 1895h, 917 (syn. of *Octobothrium* pal.); 1896, 513.—Johnston, 1865a, 31.—Tasch., 1879, 246 (syn. of *Octob. pal.* Leuck.).—Reported for *Gadus morrhua*.

OCTOPLECTANUM Dies., 1858c, 315, 382–383 (*Octocotyle*, 1850, renamed, hence *lanceolata* = *alose* (*Mazocraes*), type by renaming and inclusion); 1859, 442.—Braun, 1890a, 518.—Tasch., 1879, 239.—See *Mazocraes*.

*affine* Lint., 1898c, 511–512, pl. 40, figs. 10–13, pl. 41, figs. 1–5 (in *Paralichthys dentatus*; Woods Hole, Mass.).

*harengi* (Ben. & Hesse, 1863) Linst., 1889, 95, in *Clupea harengus*.

*heterocotyle* (Ben., 1870) Linst., 1885, 252–253, pl. 15, fig. 30; 1889, 96, in *Clupea sprattus* Bl.

*lanceolatum* (Leuck., 1828) Dies., 1858c, 383 (in *Alausa vulgaris*); 1859, 442–443 (includes *Mazocraes alose* Hermann, *Octobothrium lanc.*, *Octost. alose* Kuhn, *Octocotyle lanc.*).—Tasch., 1879, 244 (to *Octobothrium*).—Type by renaming and inclusion.

*longicollis* (Dies., 1850) Dies., 1859c, 443.—Cerf., 1895h, 915 (syn. of *Octobothrium merlangi*); 1896, 512.—Tasch., 1879, 245 (syn. of *Octob. merl.* (Kuhn)).—Reported for *Merlangus pollachius*, *M. vulgaris*, *Morrhua barbata*.

*palmatum* (Leuck., 1830) Dies., 1859c, 443.—Cerf., 1895h, 917 (to *Octobothrium*); 1896, 513.—Tasch., 1879, 246 (to *Octob.*).—Reported for *Hippoglossus gigas*, *Lota molva*.

*pilchardi* (Ben. & Hesse, 1863) Linst., 1889, 95 (in *Clupea pilchardus*).

*truncatum* (Dies., 1850) Dies., 1858c, 383 (in *Scomber scombrus*; Rhedoni); 1859c, 443–444.—Stoss., 1898, 12.—Tasch., 1879, 243 (syn. of *Octobothrium scombri* (Kuhn)).

OCTOSTOMA Otto, 1823, 302, as syn. of *Cyclocotyla* [not *Octostoma* syn. of *Polyst.*].

- OCTOSTOMA** Kuhn, 1829b, 358–363 (*alosa*=*lanceolata*=*alosa* (Mazocrace), type by inclusion, also type by first species rule).—Braun, 1890a, 518.—Cerf., 1899a, 349.—Mayer, 1841a, 20.—Tasch., 1879, 239.
- alosa* Kuhn, 1829b, 358–361 (in *Clupea alosa*), pl. 17, figs. 1–3.—Ben., 1858a, 1861a, 44, 46 (syn. of *Octobothrium lanceolatum*).—Cerf., 1899a, 348, 349.—Duj., 1845a, 313 (=Octob. lanc.).—Nord., 1832a, 76, 77, 82 (syn. of Octob. lanc.).—Tasch., 1879, 241, 244 (syn. of Octob. lanc.).
- heterocotyle* Ben., 1870, 67 (in *Clupea sprattus*).—Tasch., 1879, 245 (to *Octobothrium*).
- merlangi* Kuhn, (1829b) (t. h. *Merlangus communis*).—Ben., 1858a, 1861a, 44, 49, 168, 169, 172, 196 (to *Octobothrium*).—Cerf., 1895h, 915 (to Octob.); 1896, 511; 1899a, 349.—Crep., 1839a, 291.—Duj., 1845a, 314 (to Octob.).—Nord., 1832a, 78–80, 82 (to Octob.) (in *Gadus merlangus*); 1840, 599 (to Octob.).—Scott, 1901, 343 (to Octob.).—Tasch., 1879, 245 (to Octob.).
- scomberi* Kuhn, 1829b, 361–362, pl. 17, figs. 4–5 (t. h. *Scomber scomber*).—Cerf., 1899a, 348, 349.—Duj., 1845a, 313 (to Octob.).—Nord., 1832a, 77–78 (to Octob.); 1840, 599 (to Octob.).—Scott, 1901, 344 (to Octob.).—Stoss., 1898, 12 (in *Sc. scombrus*; Triest).—Tasch., 1879, 243 (to Octob.).
- OGMOGASTER** Jägers., 1891, 131 (m. *plicatus*); 1891b, 1892a.—Brand., 1892, 506.—Braun, 1892a, 605, 609, 641, 664, 671, 676, 677, 683, 684, 685, 699, 704, 708, 709, 711, 715, 717, 718, 721, 725, 726, 729, 737; 1893a, 887, 890, 893, 895, 914, 916, 918; 1893b, 179.—Gamb., 1896a, 73.—Lander, 1904a, 5.—Looss, 1899b, 664–665; 1902m, 610.—Mont., 1892, Oct. 7, 214 (g. of *Monostomidae*); 1893, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 701, 702, 703, 704, 705, 713; 1893, 28, 83, 144, 203, 205.—Ofenheim, 1900, 156.—Pratt, 1902, 890, 910 (key).—Rossbach, 1906, 374.
- plicatus* (Crep., 1827) Jägers., 1891, 129, 132, 134; 1891b, 32 pp., figs. 1–6; 1892a, 572–573.—Bettend., 1897, 319; 1897a, 15.—Braun, 1892a, 575, 600, 603, 607, 608, 609, 638, 640, 641, 647, 682, 688, 712, 717, 718, 719, 724, 731, 733, 765; 1893a, 917 (in *Balænoptera musculus*, B. borealis); 1893b, 177 (*plicata*), 186; 1901e, 344.—Darr, 1902, 657.—Looss, 1899b, 665.—Mont., 1892, 685, 689; 1893, 203.—Odhm., 1905, 366 (*Monost. plicatum*).
- OISTOSOMUM** Odhn., 1902, 26–27 (m. *caduceus*); 1902, 42.—Pratt, 1902, 888, 899.
- caduceus* Odhn., 1902, 26–27 (in *Krokodil*; Sudan).
- OLIGOCOTYLIDÆ** Par. & Perugia, 1890, subf.—Braun, 1890a, 546.—Cerf., 1899a, 365, 452.
- OLYOCOTYLEA** Mont., 1903, 335–336 (“Sezione” contains: *Tristomidæ* Ben., 1858, *Monocotylidæ* Tasch., 1879).
- OMPHALOMETRA** Looss, 1899b, 562 (m. *flexuosa*) (ὁ ὀμφαλιτικός=Nabel or Mitte; ἡ μήτρα=uterus); 1902m, 839.—Braun, 1901b, 33.—Pratt, 1902, 887, 896.—Stoss., 1901, 93 (5).
- flexuosa* (Rud., 1809) Looss, 1899b, 562.—Stoss., 1901, 93 (5).
- OMPHALOMETRINÆ** Looss, 1899b, 543, 562; 1902m, 839.—Luehe, 1900, 490.—Pratt, 1902, 887, 896 (includes: *Omphalometra*, *Catharinasia*).—Stoss., 1901, 93 (5).
- ONCHOCOTILINÆ** Cerf., 1899a, 396 (for *Onchocotylinae*).
- ONCHOCOTYLE** Dies., 1850a, 289, 419 (m. *appendiculata*); 1858c, 314, 370–371; 1859c, 438.—Ben., 1853b, 59–68, figs. 1–11; 1858a, 1861a, 11, 54, 345.—Ben. & Hesse, 1864, 84.—Brand., 1891d, 21; 1894a, 308.—Braun, 1890a, 413, 415, 434, 437, 438, 444, 451, 471, 473, 474, 475, 484, 490, 491, 511, 515, 516, 517, 523, 538, 539, 546; 1893a, 890.—Carus, 1863, 478.—Cerf., 1899a, 345, 346, 347, 351, 359, 365, 368, 369, 371, 402, 411, 434, 452.—Chatin, 1880f, 591; 1881a, 311.—Gamb., 1896a, 73.—Goldb., 1855a, 19.—Goto, 1893a, 798, 800; 1894a, 222–224.—Haswell, 1887a, 286.—Hoyle, 1890, 539.—Jackson, 1888, 647, 654.—Kerbert, 1881a, 544, 554, 572.—Looss, 1894a, 203.—Mont., 1888a, 11, 16, 34, 36, 38, 43, 52, 53, 56, 57, 58, 59, 60, 65, 66, 67, 84, 86, 100; 1892, 35, 36; 1892, Oct. 7, 213 (g. of *Polystominae*); 1893, 118; 1903, 336 (syn. *Acanthoncocytole*) (subf. *Onchocotylinae*).—Pratt, 1900, 646, 651, 656, fig. 26.—St.-Remy, 1890, Nov. 1, 41–43; 1898, 558.—Scott, T., 1901, 151.—Sons., 1890, 176–177.—Stoss., 1898, 11.—Tasch., 1878, 176; 1879, 36, 44, 45, 47, 50, 51, 53, 55, 60, 62, 64, 65, 66, 69; 1879, 252, 255 (syns.: *Polyst.* Kuhn, *Hexabothrium* Nord.).—Ziegler, 1883, 556.
- 1899: *Acanthoncocytole* Cerf., 1899a, 347 (*appendiculata*).

## ONCHOCOTYLE—Continued.

- abbreviata* Ols., 1876, 12, pl. 2, figs. 27–28 (in *Acanthias vulgaris*).—Braun, 1890a, 418, 499, 539, 548, 550.—Cerf., 1899a, 361, 368, 369, 375 (to *Squalonchocotyle*).—St.-Remy, 1890, 42, 43 (in *Ac. vulg.*).—Sons., 1890, 177.—Staff., 1904, May 3, 482 (on *Squalus acanthias*; Canada).—Tasch., 1879, 253 (in *Ac. vulg.*); 1879, 29 (in *Ac. vulg.*).
- appendiculata* (Kuhn, 1830) Dies., 1850a, 419 (includes *Hexabothrium*); 1858e, 370–371 (in *Mustelus laevis*, *M. vulgaris*, *Scyllium catulus*), 371 (*pars*, from *Læmargus borealis*, syn. of *O. borealis*); 1859c, 438 (of Ben., 1858a, in *Must. vulg.*, *Galeus canis*).—Ben., 1858a, 1861a, 54–58, 59, 168–169, 172, 177, 197, pl. 6, figs. 1–12 (in *Mustelus vulg.*, N. Sea and Adriatic; *Galeus canis*; *Scyllium catulus*, Mediterranean; *Læmargus borealis*, Greenland); 1870, 5, 6, 16.—Brand., 1891d, 20.—Braun, 1889k, 622; 1890a, 408, 410, 414, 415, 419, 420, 421, 428, 429, 434, 437, 438, 442, 449, 453, 454, 457, 462, 465, 481, 489, 498, 499, 500, 512, 514, 539, 548, 550, 551, 552; 1890e, 594; 1893b, 178.—Cerf., 1899a, 350, 351, 357, 358, 359, 360, 361, 362, 364, 366, 367, 368, 369, 371, 374, 378 (in *Læmargus borealis*, *Scyllium catulus*), 374 (of Stoss., 1887, syn. of *Acanthonchocotyle canicula*), 376 (of Tasch., 1879, syn. of *Squalonchocotyle grisea*), 376 (of Ols., 1867 and 1876, syn. of *Rajonchocotyle batis*), 376 (of Sons., 1890, syn. of *Rajonch. prenanti*).—Cobbold, 1879b, 464.—Fraip., 1880c, 416.—Goto, 1891a, 162.—Ijima, 1884c, 638.—Jackson, 1888, 647.—Juel, 1889, 36.—Kerbert, 1881a, 533.—Kroyer, 1852–53a, 926 (in *Scymnus microcephalus*).—Looss, 1885b, 5, 10.—Mont., 1888a, 8, 15, 23, 26, 37, 42; 1890, 421.—Par. & Perugia, 1890, 7.—Scott, 1901, 151, pl. 8, figs. 30, 31 (in *Galeorhinus galeus*, *Mustela vulgaris*, *Raja batis*, *R. clavata*, *Scylliorhynchus catulus*); 1901, 344 (in *Raja batis*; Irish Sea); 1905, 118 (see Scott, 1901, pl. 8).—Sons., 1890, 176, 177 (see also *Otocotyle* app.); 1891, 259–260 (syn. *O. emarginata* Ols.).—St.-Remy, 1890, 42, 43 (in *Scyllium catulus*, *Mustelus vulg.*, *M. laevis*, *Galeus canis*, *Raja batis*, *Hexanchus griseus*, *Ac. vulg.*).—Stoss., 1885, 162; 1898, 11.—Tasch., 1878, 176; 1878, 566, 574; 1879, 253 (syn. *Hexathyridium* app. Nord.) (in *Scyllium catulus*, *Mustelus laevis*, *M. vulgaris*, *Hexanchus griseus*, *Raja batis*, *Galeus canis*); 1879, 19–20; 1879, 24–47, pl. 3, figs. 1–3, pl. 4, figs. 1, 3–6 (syns. *Hexabothrium* app. Kuhn, *Polyst. app. Nord.*).—Ziegler, 1883, 345, 557.
- borealis* Sons., 1890, 177, misprint for *borealis*.
- borealis* Ben., 1853l, 59–68, figs. 1–11 (in *Scimnus glacialis*); 1858a, 1861a, 58–59 (in *Sc. gl.*); 1870, 12.—Braun, 1890a, 408, 419, 461, 539, 548.—Cerf., 1899a, 346, 356–358, 359, 360, 361, 362, 364, 367, 368, 369, 372, 378 (in *Scymnus glacialis*), 374 (to *Squalonchocotyle* in *Scymnus borealis*), 376 (of Stoss., 1885, syn. of *Rajonchocotyle prenanti*).—Dies., 1858e, 371 (in *Læmargus borealis*) (syns.: *O. appendiculatum* Dies., *Polyst. borealis* Wag.); 1859c, 438.—Linst., 1889, 101 (in *Læmargus borealis*).—Odh., 1905, 372 (to *Squalonchocotyle*).—Par., 1894, No. 1050.—Par. & Perugia, 1890, 7.—St.-Remy, 1890, 42, 43 (in *Scymnus borealis*).—Sons., 1890, 177 (*borealis*).—Stoss., 1885, 162; 1890, 52; 1898, 12.—Tasch., 1879, 253 (in *Scy. bor.*); 1879, 29, 32 (in *Scy. bor.*).—Also reported for *Læviraja oxyrhynchus*.
- canis* (Cerf., 1899) Pratt, 1900a, 656, 657, fig. 26.
- emarginata* Ols., 1876, 11–12, pl. 2, figs. 23–26 (in *Raja clavata*).—Braun, 1890a, 419, 494, 499, 539, 548, 551.—Cerf., 1899a, 361, 366, 367, 368, 369, 375, 378.—St.-Remy, 1890, 42, 43 (in *R. clav.*).—Sons., 1890, 176, 177 (see also *Otocotyle emarginata*); 1891, 259, 260 (syn. of *O. appendiculata* Kuhn).—Tasch., 1879, 253 (in *R. clav.*); 1879, 29 (in *R. clav.*).
- prenanti* St.-Remy, 1890, 41–43 (in *Raja oxyrhynchus*; Roscoff).—Cerf., 1899a, 365, 368, 376 (to *Rajonchocotyle*) (in *R. oxyr.*).—Goto, 1894a, 223.—Sons., 1890, 177 (in *R. oxyr.*).
- scymni ainosi* Dies., 1858e, 371 based on Wagener, 1857, 72 (in *Scymnus ainosi*).—Cerf., 1899a, 360, 362, 377.—Linst., 1878a, 282.—St.-Remy, 1890, 41.
- spinacis* Goto, 1894a, 224–226, pls. 15–16, gills of *Spinax* sp.; at Odawara, Japan.—Cerf., 1899a, 370, 372, 376, 435 (to *Squalonchocotyle*).—St.-Remy, 1898, 558.
- ONCHOCOTYLINÆ Cerf., 1899a, 345–478, pls. 18–21, 396 (*Onchocotilinae*); 1900a, 436–438.—Mont., 1903, 336 (f. *Onchocotylidae*).
- ONCHOGASTER Claparède, 1863a, 13 (m. natator).
- natator* Claparède, 1863a, 13, pl. 5, figs. 1–4.—Braun, 1889a, 363, after Leuck, 1863, 95, is perhaps a free swimming polystome larva.

- OPHICOTYLE Ben. & Hesse, 1863; 1864, 96, 101 (m. *fintæ*).—Braun, 1890a, 414, 477, 516, 517, 522, 546.—Cerf., 1895h, 918; 1896, 514.—Mont., 1888a, 8, 11, 86 (Ophycotyle), 89, 99 (Ophycotyle).—Tasch., 1879, 240.  
1888: Ophycotyle Mont., 1888a, 8, 11, 86, 89, 99 for Ophicotyle.  
*alosæ* Mont., 1888a, 13 (Ophycotyle).  
*fintæ* Ben. & Hesse, 1863; 1864, 101–102, pl. 9, figs. 19–28 (in *Alosa finta*).—Braun, 1890a, 446.—Tasch., 1879, 244 (to Octobothrium).
- OPHTHALMOPHAGUS Stoss., 1902, 8, 28–29 (m. *singularis*), subf. Cyclocœlinae.  
*singularis* Stoss., 1902, 29, pl. 7, fig. 27 (in *Gallinula pusilla*; loc. not given).
- OPHYCOTYLE Mont., 1888a, 8, 11, 86, 99, for Ophicotyle.  
*alosæ* Mont., 1888a, 13.
- OPISCORCUS Woolley, 1906, Oct. 6, 1090 (misprint for Opisthorchis).
- OPISTHIOGLYPHE Looss, 1899b, 588–589, 592 (tod. *endoloba*) (*ὀπισθίος*=hindermost; *ἡ γλυφή*=das Eingegrabene).—Pratt, 1902, 888, 896, 898.  
*endobala* Ssinitzin, 1906, 685, for *endoloba*.  
*endobola* Ssinitzin, 1905, 121–136; 1906, 686, 687, for *endoloba*.  
*endoloba* (Duj., 1845) Looss, 1899b, 589.—Braun, 1906, 137, figs. 72–73 (in frog).—Kowal., 1902d, 27 (9).—Ssinitzin, 1905, 121–136; 1906, 685 (endobala), 686, 687 (endobola) (Cerc. gibba is larva) (in *Rana esculenta*, *R. temporaria*; Warschau).—Staff., 1905, 686–687 (Duj. of Staff., 1900, 403, renamed Glypthelmins quita).—Stoss., 1901, 96 (8) (in *Rana esculenta*; Triest).—Ward, 1903, 862.  
*siredonis* (Poir., 1886) Looss, 1899b, 589.
- OPISTHODISCUS Cohn, 1904, 240 (m. *diplodiscoides*), 242, 243.  
*diplodiscoides* Cohn, 1904, 240–243, figs. 6–8 (in *Rana esculenta*; Coll. Creplin).
- OPISTHOGONIMUS Luehe, 1900aa, 555–558, 562 (m. *lecithonotus*=philodryadum).—Looss, 1901b, 206; 1902m, 839.—Odhn., 1902, 41.—Pratt, 1902, 888 (related to Haplometrinæ), 901.  
*lecithonotus* Luehe, 1900aa, 555–558 (in *Coluber* sp., *Coluber erio*, *Philodryas schottii*; Brazil); 1900ee, 743 (=O. *philodryadum* (West)).  
*philodryadum* (West, 1895) Luehe, 1900ee, 743 (in *Philodryas schottii*; Brazil).
- OPISTHORCHIASIS.—A term proposed by Looss, 1905, 88, to designate infection with Opisthorchis.—Aoyama, 1891a.—Askanazy, 1904, 698 (in man, etiology and pathology); 1904, Nov., 229–230.—Huber, 1896, 578.—Katsurada, 1900, 495, 500–503 (in man).—Macgregor, 1877, 3–16.—See also distomatosis, hepatic, Japan.  
[O. *felineus*; Askanazy, 1904, (19); 1905, Jan. 10, 790.]
- OPISTHORCHIC Stiles, 1901h, 1539 (misprint for Opisthorchis Bl. 1895).
- OPISTHORCHIDÆ Luehe, 1901, 486, for Opisthorchiidæ.
- OPISTHORCHIIDÆ Braun, 1901b, 34.—Jägers., 1903a, 15 (Opisthorchidæ).—Looss, 1902m, 839, 840 (contains Echinostominae, Omphalometrinæ, Opisthorchiinae, Rhopaladiinae; Azygia; Allocreadium; Rhytidodes; Calycodes).—Luehe, 1901, 486.
- OPISTHORCHIINÆ Looss, 1899b, 543, 563, 564, 565, 566; 1902m, 718, 839.—Braun, 1901b, 20.—Luehe, 1900, 490.—Pratt, 1902, 888, 895 (includes Opisthorchis, Holometra, Metorchis; related genus, Podocotyle).—Ward, 1903, 863.
- OPISTHORCHIIS R. Bl., 1895f, 217 (tod. *felineus*); 1896b, 730.—Braun, 1900g, 250; 1901b, 20; 1901, 564; 1901e, 314; 1902b, 5, 6, 7 (re *Campula*, Stiles & Hass. have stated that *Campula* was erroneously made syn. of Opisthorchis); 1903, 3 ed., 157 (erroneously dated 1845); 1906, 163.—Heymann, 1905, 98.—Jacoby, 1900, 7, 9, 16.—Kamensky, 1900a, 3, 4, 5, 13, 19.—Kowal., 1898g, 74; 1898h, 131, 136, 140, 142–148 (28, 33, 37, 39–45); 1898, 121–148.—Looss, 1899b, 539, 549, 551, 559, 560, 563, 564, 565, 590; 1901, 194, 199, 200, 209; 1902m, 529, 712 (Opisthorchis), 775–778, 781, 790 (amphitypic), 795, 805; 1905, —.—Luehe, 1899, 529, 532, 533; 1901, 474.—Mont., 1896, 168.—Odhn., 1902, 37 (Opisthorchis).—Ofenheim, 1900, 166.—Pratt, 1902, 888, 895.—Rail., 1896, 160; 1900, 212.—Stiles, 1901, 203, 204, 205.—Stiles & Hass., 1898a, 85, 91 (Opisthorchis erroneously as syn. of *Campula* Cobb.) (type Dist. *felineum*).—Stoss., 1902, 580.—Ward, 1901, 180; 1903, 869.  
1896: Prosthometra Looss, 1896b, 58–60 (*felineus*).

## OPISTHORCHIS—Continued.

- 1896: *Opisthorchis* Rail., 1896, Mar. 15, 160, misprint.  
 1901: *Opisthorchic* Stiles, 1901h, 1539, misprint.  
 1906: *Opiscorcus* Woolley, 1906, 1090, misprint.  
*albidus* (Braun, 1893) Rail., 1896, 160.—Rail. & Marotel, 1898, 38 (compared with other forms).—Bossuat, 1902, v. 6 (2), 192.—Jacoby, 1900, 8 (*situs inversus* 16 times in 68 specimens, 23 per cent).—Kowal., 1898h, 131, 143, 147 (28, 40, 44) (in *Felis catus* dom.).—Luehe, 1899, 530.—Type of *Metorchis* 1899.  
*amphileuca* (Looss, 1896) Kowal., 1898, 148 (45) (in *Naja haje*).  
*buski* (Bl., 1888) R. Bl., 1895, 737 (syns.: *Dist. buski* Lankester, *D. crassum* Busk nec Sieb., *D. rathouisi* Poir.); 1895, 217; 1900, 488.—Galli-Valerio, 1898a, 146.—Manson, 1903e, 664, fig. 107.—Type of *Fasciolopsis* 1899.  
*campula* (Cobbold, 1876) Looss, 1899b, 559.  
*choledoca* (Linst., 1883) Kowal., 1898h, 148 (45) (in *Anas* sp.).—Kamensky, 1900a, 5.  
*compascua* Kowal., 1898, 72; 1898h, 133, 134 [30, 31], see *xanthosoma compascua*.  
*complexus* (Stiles & Hass., 1894) Stiles & Hass., 1896, 155, or Rail., 1896, 160.—Galli-Valerio, 1898d, 146.—Kowal., 1898h, 143, 147 (40, 44) (in *Felis catus* dom.).  
*conjunctus* (Cobbold, 1860) R. Bl., 1895, 217; 1895, 735; 1900, 488.—Bossuat, 1902, v. 6 (2), 191–192.—Braun, 1883, 65–66.—(Lerc, 1907, 558 (*Opisthorchis*).—Kamensky, 1900a, 4.—Kowal., 1898h, 143, 147 (40, 44) (in *Homo*, *Canis vulpes fulvus*).—Manson, 1903e, 635 (= *Dist. conjunctum* of man).—Rail., 1896, 160.  
*conus* (Crep., 1825) Stiles & Hass., 1895c, 156–158.—Rail. & Marotel, 1898, 38.  
*corvina* (Stiles & Hass., 1894) Kowal., 1898, 143, 148 (40, 45) (in *Corvus americanus*, *C. ossifragus*).  
*corvinus* (Stiles & Hass., 1894) Stoss., 1904, 12.  
*crassiuscula* (Rud., 1809) Kowal., 1898g, 71, 73; 1898h, 130, 131, 143, 144, 147 (27, 28, 40, 41, 44) (in *Buteo vulgaris*, *Archibuteo lagopus*, *Haliaeetus albicilla*, *Circus rufus*, *Aquila imperialis*, *Surnia nyctea*).—Jacoby, 1899c, in 1–30; 1900, 7.—Looss, 1899b, 565, 678.—Luehe, 1899, 530.  
*crassiuscula janus* Kowal., 1898h, 122–132, 147 [19–27, 44] figs. 15–21, 28 (in *Anas boschas* dom.); 1898g, 71.—Braun, 1902b, 9.—Looss, 1899b, 565, 566 (undoubtedly a *Metorchis*), 678.  
*crassiusculus* Looss, 1899b, 678, see *crassiuscula*.  
*entzi* Ratz, 1900, 534, in gall ducts of *Ardea purpurea*.  
*erigua* (Mueh., 1898) Kowal., 1898h, 147 (44) (in *Circus rufus*).  
*felinea* (Riv., 1884) Jacoby, 1899c, in 1–30.  
*felineus* (Rivolta, 1884) R. Bl., 1895, 217; 1895, 734–735; 1900, 488.—Askanazy, 1900b, 493, 502 (in man); 1904, 689–691; 1904, Nov., 229–230.—Bossuat, 1902, v. 6 (2), 188.—Braun, 1903, 3 ed., 157 (syns.: *conus* Gurlt, *lanceolatum* Sieb., 1836 & Tright, *sibiricum*, *tenuicolle* Mueh., 1896) 159 (cases in man); 1906, 166; 1906, 163–166, figs. 95–98 (in *Limnaeus stagnalis*, *Felis domestica*, dog, fox, *Gulo borealis*).—Engler, 1904 (X. 21), 186–188, 1 fig. (abnormal intestine of); 1905, Jan. 1, 16; 1905 (II), 57.—Galli-Valerio, 1898d, 146; 1901c, 364 (in dog).—Hollack, 1902a, 868.—Jacoby, 1900, 7, 8–9.—de Jong, 1896a, 7 (*Opisthorchis*).—Kamensky, 1900a, 17, 19, 20, 24 (*felinea*).—Looss, 1899b, 675; 1905, 89 (syns.: *Dist. felineum*, *D. sibiricum*; in dogs and cats, Europe; in man by Winogradow in Tomsk, Siberia), 90; 1907, Feb. 1, 138, 139.—Stiles, 1902, 33.—Ward, 1903, 704; 1903, 864, 869 (syns.: *Dist. conus* Gurlt nec Crep., *D. lanceolatum* Sieb., 1836 & Tright, 1889 nec Mehlis, *D. sibiricum* Winogradoff, *D. tenuicolle* Mueh.), 871.  
*gemina* (Looss, 1896) Kowal., 1898h, 129, 148 (26, 45) (in *Milvus parasiticus*).  
*geminus* (Looss, 1896) Looss, 1899b, 676, 677, 678, figs. 2, 3; 1907, Feb. 1, 138, 139 (in *Anas boschas fera*, *Circus aeruginosus*, *Milvus aegyptius*).—Braun, 1901b, 34.  
*interruptus* Braun, 1901g, 897 (in *Alcedo viridirufa*, *Ardea virescens*; Brazil); 1902b, 5, 6, fig. 2.—Stoss., 1904, 11.  
*janus* Kowal., 1898g, 71, 73; 1898h, 130, 131, 132, 133, 134, 137, 138, 139, 143, 144 (22, 26, 27, 28, 29, 30, 31, 34, 35, 36, 40, 41).—Jacoby, 1900, 7.—See also *crassiuscula janus*.

## OPISTHORCHIS—Continued.

- lancea* (Dies., 1850) Braun, 1901, 897; 1902b, 6, 7.—Hollack, 1902a, 868.—Stoss., 1904, 11.
- longissimus* (Linst., 1883) Stiles & Hass., 1896, 155.—Kamensky, 1900a, 5.—Kowal., 1898g, 72; 1898h, 140, 141, 148 (37, 38, 45) (in *Botaurus stellaris*).—Looss, 1899b, 564, 674.—Stoss., 1904, 11.
- longissimus* var. *corvinus* (Stiles & Hassall, 1894) Looss, 1899b, 564, 675.—Hollack, 1902a, 868.—Stoss., 1904, 12.
- noverca* Braun, 1902, Dec. 30, 836; 1903, 3. ed., 164, fig. 112 (= *Dist. conjunctum* Lew. & Cunn., 1872 of man, renamed); 1906, 170–171, figs. 103–104.—Looss, 1905, 90–91, fig. 6 (syn. *Dist. conj. L. & C.*).—Stoss., 1904, 11.—Ward, 1903, 704; 1903, 864, 870.
- oblonga* (Cobbold, 1858) Kowal., 1898h, 148 (45) (in *Phocaena communis*, *Platanista gangetica*).
- piana*: Galli-Valerio, 1898c, 7–8, 1 fig. (in *Anas boschas*: Busto Ariizio); 1898d, 145–146 (in *Anas boschas*); 1898e; 1898m, 923 (*Opisthorchis*); 1901c, 364; 1903d, 59 (*Opisthorchis*).—Kowal., 1898c, 751–752; 1898d, 751–752; 1898e, 923.—Stoss., 1899, 12.
- piscicola* Odhn., 1902, 152–153 (in *Gymnarchus niloticus*).—Stoss., 1904, 11.
- poturzyensis* Kowal., 1898g, 71 (var. of *simulans*), 72 (n. sp.), 73, 75, or 1898h, 138, 140, 141, 142, 143, 144, 148 (in *Anas boschas* dom.), 150, 163, figs. 23–26 (35, 36, 37, 38, 39, 40, 41, 47).—Engler, 1904, 186.—Jacoby, 1899c, in 1–30; 1900, 7.
- pseudofelineus* Ward, 1901, 180 (syn. *D. felineum* Riv. of Ward, 1895, 152–158); in 1903, 861, 862, 869.—Braun, 1903, 3. ed., 158.
- simulans* (Looss, 1896) Kowal., 1898g, 72; 1898h, 129, 137, 140, 141, 142, 148 (26, 37, 38, 39, 45) (in *Pernis apivorus*); 1902d, 23 (5) (in *Anas boschas* dom.).—Braun, 1901b, 34.—Looss, 1899b, 564, 566, 673–674, pl. 24, figs. 1–1b (includes var. *poturzyensis*).—Stoss., 1904, 11.—Also reported for *Anas penelope*, *Circus aeruginosus*, *Fulix cristata*).
- simulans* var. *poturzyensis* Kowal., 1898g, 71 (in *Anas boschas* dom.); 1898h, 135–142, 148 (32–37, 45), figs. 23–26 (in *Anas boschas* dom.).—Looss, 1899b, 565, 673, 674.
- sinensis* (Cobbold, 1875) R. Bl., 1895, 217; 1895, 736–737; 1900, 488; 1901b, 204, 209, 210; 1901c, 581, 586, 587, 588, 589.—Akanuma, 1894 (in Toyama Province).—Aoyama, 1891a.—Askanazy, 1904, 689; 1904 (XI), 229–230.—Bossuat, 1902, v. 6 (2), 189.—Braun, 1903, 3. ed., 161–162, figs. 109–111; 1906, 168–170, figs. 100–102.—Clerc, 1907, 558 (*Opisthorchis*).—Kamensky, 1900a, 4.—Kowal., 1898h, 147 (44) (in *Homo sapiens*; *Felis catus* dom.).—Looss, 1899b, 564; 1901, 209; 1905, 90, fig. 5 (syns. *Dist. sinense* Cobb., *D. spathulatum* Leuck., *D. hepatis* endemicum, *D. hepatis* perniciosum Baelz, *D. japonicum* Bl.) (Japan, Annam, Tonkin, China, Korea); 1905m, 233; 1907, Feb. 1, 136–147.—Manson, 1903, 635.—Staf., 1905, Apr. 11, 694 (in liver of Chinaman, at Montreal, 1896).—Stiles & Garrison, 1906a, Aug., 29.—Stoss., 1904, 11.—Ward, 1903, 864, 867, 869–870 (syns. *Dist. sinense* Cobb., *D. spathulatum* Leuck. nec Rud., *D. hepatis* endemicum Baelz, *D. hepatis* perniciosum Baelz, *D. hepatis* innocuum Baelz, *D. japonicum* Bl., *D. endemicum* Ijima); 1903, 703, 704.—Woolley, 1906, 1090 (*Opisthorchis*).
- speciosus* Stiles & Hass., 1896, 151–155, figs. 1–2 (*Dist. longissimum* corvinum renamed).—See p. 74.
- tenuicollis* (Rud., 1819) Stiles & Hass., 1896, 155.—Braun, 1901c, 314.—Jacoby, 1900, 8.—Kamensky, 1900a, 1–23 (syn. *D. felineum* Riv.); 1900b, 23 pp.; 1901a, 323–324.—Kowal., 1898g, 73, 74; 1898h, 106, 129, 138, 139, 143, 144, 147 (1, 26, 35, 36, 40, 41, 44) (in *Homo*, *Felis catus* dom., *Canis familiaris*, *Gulo borealis*, *Phoca barbata*, *Halichærus grypus*).—Looss, 1899b, 564, 566, 674–678, 700.—Odhn., 1905, 339.—Ratz, 1900, 532.—Stoss., 1904, 11.
- tenuicollis-felineus* Looss, 1899b, 678 (see *tenuicollis* and *felineus*).
- truncatus* (Rud., 1819) Rail., 1896, 160.—Bossuat, 1902, v. 6 (2), 192.—Galli-Valerio, 1898d, 146; 1901c, 364.—Jacoby, 1899c, in 1–30; 1900, 8.—de Jong, 1896a, 7 (*Opisthorchis*).—Kamensky, 1900a, 14 (*truncatus*).—Kowal., 1898h, 143, 147 (40, 44) (in *Gulo borealis*, *Felis catus* dom., *Canis familiaris*, *C. vulpes*, *Phoca annectata*, *P. vitulina*).—Luche, 1899, 530.



## OPISTHORCHIS—Continued.

*viverrini* (Poir., 1886) Stiles & Hass., 1896, 155.—Kowal., 1898h, 148 (45) (in *Felis viverrinus*).—Poir., 1886, 27–29, pl. 3, figs. 1–3.—Stoss., 1892, 1893, 24; 1904, 11.

*xanthosoma* (Crep., 1846) Kowal., 1898g, 72; 1898h, 134, 147 (31, 44) (in *Podiceps minor*).

*xanthosoma* var. *compascua* Kowal., 1898g, 71 (in *Anas querquedula*); 1898h, 132–134, 147 (29–31, 44), figs. 22–29.—Braun, 1902b, 8 (syn. of *Dist. crassiusculum*).—Looss, 1899b, 565, 566 (says this is undoubtedly a *Metorchis*), 678.

OPISCORCUS Woolley, 1906, Oct. 6, 1090 (misprint for *Opisthorchis*).

OPISTHOTREMA Fischer, 1883a, 1–42 (m. cochleare).—Biehinger, 1888a, 231, 232, 233, 234.—Brand., 1892, 506.—Braun, 1892a, 569, 635, 640, 663, 664, 676, 677, 679, 683, 687, 693, 696, 699, 700, 711, 715, 716, 717, 718, 721, 725, 727, 728, 736; 1893a, 879, 886, 887, 890, 893, 895, 899, 914, 917, 918.—Darr, 1903, 657.—Gamb., 1896a, 73.—Jackson, 1888, 648.—Juel, 1889, 24.—Looss, 1885b, 56; 1894a, 180, 207; 1899b, 665.—Mont., 1888, 7, 15, 18, 32, 35, 37, 41, 42, 48, 50, 52, 53, 54, 56, 57, 58, 60, 64, 66, 67, 93, 106; 1892, Oct. 7, 214 (gen. of *Monostomidae*); 1892, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 713; 1892, 37, 38; 1893, 25, 83, 144.—Ofenheim, 1900, 156.—Pratt, 1902, 890, 909.

1893: *Opisthotrema* Crety, 1893a, 384, misprint.

1902: *Opistotrema* Cohn, 1902k, 53, for *Opisthotrema*.

*cochleare* Fischer, 1883a, 1–42, 1 pl., 13 figs. (in *Halicore dugong*; Philippines); 1884a.—Bettend., 1897, 38; 1897, 342.—Biehinger, 1888a, 230.—Brand., 1891b, 265.—Braun, 1891d, 421; 1892a, 583, 589, 591, 593, 594, 595, 602, 604, 605, 607, 610, 628, 640, 659, 688, 703, 724, 731, 733, 762, 763, 764, 765; 1893a, 877, 917; 1893d, 468; 1901e, 344.—Cohn, 1902k, 53 (*Opistotrema*).—Crety, 1893a, 384 (*Opisthotrema*).—Darr, 1902, 648.—Juel, 1889, 37.—Kath., 1894a, 143.—Kowal., 1898h, 158 (55).—Linst., 1904u, 679, 680.—Looss, 1885b, 10, 12, 17, 56.—Maclaren, 1904b, 608.—Mont., 1888a, 7, 16, 21, 23, 26, 27, 43, 60; 1892, 99, 104; 1892, 688, 689, 695, 703, 712; 1893, 16, 109.—Seinitzin, 1904, 768 (*Opistotrema*).—Reported also for *Manatus americanus*.

*pulmonale* Linst., 1904u, 678–680, figs. 1–2 (in *Halicore australis*; Torres-Strasse, Australia).—Odhn., 1906, 66.

OPISTORCHIDÆ Jägers., 1903a, 15, for *Opisthorchiidæ*.OPISTORCHIS Rail., 1896, 160, see *Opisthorchis*.OPOSTHOTREMA Crety, 1893a, 384, for *Opisthotrema*.

ORCHIDASMA Looss, 1900, Dec. 3, 602 (*Anadasmus* Looss nec Walsingham renamed, hence type *amphiorchis*). *τὸ δάσμα*, die Vertheilung; 1902m, 468.—Braun, 1901a, 20, 34.—Odhn., 1905, 342.—Pratt, 1902, 888, 895.

*amphiorchis* (Braun, 1899) Braun, 1901b, 20–22, figs. 7, 11 (in *Thalassochelys corticata*; *Chelone mydas*; Trieste).—Looss, 1901, 560, 562, 563; 1902m, 414, 416, 463–468, pl. 23, figs. 25–29, pl. 39, fig. 24.—Odhn., 1905, 342.

ORCHIPEDUM Braun, 1901g, 944 (m. *tracheicola* Braun); 1902b, 15, 19, 20, 22, 23.—Pratt, 1902, 888 related to *Psilostominae*, 897.

*tracheicola* Braun, 1901g, 943–944 (in *Anas fusca*; Vienna, Oct.); 1902b, 19, 20, 22, 23, figs. 14, 15 (syn. *Monost. flavum*).

OROPHOCOTYLE Looss, 1902c, 637–644, figs. 1–4 (tod. *planci*); 1902f, 400–401; 1905g, 54–55.

*calyptrocotyle* (Mont., 1893) Looss, 1902c, 644.

*divergens* Looss, 1902c, 640, 643, 644, fig. 1 (in *Ranzania truncata*; Trieste).

*foliata* (Linst., 1898) Looss, 1902c, 644 (syn. *Dist. foliatum* Linst.).

*planci* (Stoss., 1899) Looss, 1902c, 637–641, figs. 2–4 (in *Ranzania truncata*; Trieste).

ORTHOSPLANCHNUS Odhn., 1905, 330, 345, 346, 347, 348 (tod. *arcticus*).

*arcticus* Odhn., 1905, 339–343, 344, 348, pl. 3, figs. 1–5 (in *Phoca barbata*; west coast Spitzbergen).

*fraterculus* Odhn., 1905, 343–344, 348, pl. 3, fig. 6 (in *Phoca barbata*, *Odobenus rosmarus*; w. coast Spitzbergen).

OSTIOLUM Pratt, 1902a, 888 (*Haplometrinæ*). 900 (key to); 1903, 34–37 (m. *formosum* Pratt).

*formosum* Pratt, 1903, 34–37, pl. 4, figs. 6–8 (in frogs).—Staff., 1905, Apr. 11, 687 (in lungs of American frogs and toads; probably identical with *Pneumonocæces medioplexus*).

- OTIOTREMA** Setti, 1897, 4-8, figs. 1-5 (m. torosum): 1897, in 198-247.—Braun, 1902b, 23.—Fuhrmann, 1904, 61.—Looss, 1899b, 551, 644-645, 741, 742, 743, 744, 745, 1901b, 208, 209, 210; 1902e, 642; 1902m, 813.—Luehe, 1901n, 481, 482, 486.—Odhn., 1905, 366.—Ofenheim, 1900, 183.—Pratt, 1902, 889, 905.—Stiles & Hass., 1898a, 91-92, 96 (type torosum).
- torosum* Setti, 1897, 4-8, pl. 8, figs. 1-5 (in *Squalus* sp.; Massaua).—Darr, 1902, 661.—Looss, 1899b, 645, 735, 736-746, figs. 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 69 (in *Squalus* sp.; Sawakin).—Luehe, 1901n, 481.—Odhn., 1905, 362.—Stiles & Hass., 1898a, 91, 96.
- OTODISTOMUM** Staff., 1904, May 3, 482-483 (m. *veliporum*) (*Ωρος*= giant) (closely related to *Azygia*).
- veliporum* (Crep., 1837) Staff., 1904, May 3, 482-483, 488 (in *Raja laevis* Mit.; Canada).—Odhn., 1905, 310.
- PACHYPSOLUS** Looss, 1901l, 30. Oct., 558-560 (m. *lunatus* Looss, 1901, 558 = *D. irroratum* R.); 1902m, 497, 503, 504, 505.—Pratt, 1902, 888 (related to *Plagiorchiinae*), 899.
- irroratus* (Rud., 1819) Looss, 1902m, 414, 416, 485-505 (includes *Dist. irroratum* Rud., 1819a, 393; Braun, 1899, 717; 1901, 36, figs. 27, 30, 32), 793, 871, 887, fig. A, pl. 23, figs. 37-38, pl. 32, fig. 169 (in *Thalassochelys corticata*, at Trieste; *Thalassochelys caretta* in New Guinea).—Odhn., 1905, 340.
- lunatus* Looss, 1901l, 558-560, 564 (in *Thalassochelys corticata*; Trieste); 1902m, 485, 486, 496, 497, 503 (syn. of *P. irroratus* Rud.).
- PARABASCUS** Looss, 1907, Mar. 5, 481-483 (tod. *lepidotus*).
- lepidotus* Looss, 1907, Mar. 5, 481-483, figs. 3a-b (in *Vesperugo kuhli*; Cairo, Egypt).
- limatulus* (Braun, 1900) [Looss, 1907, Mar. 5, 483, as probable].
- semisquamosus* (Braun, 1900) [Looss, 1907, Mar. 5, 483].
- PARAGONIMIASIS**, name of disease (see also distomatosis, pulmonary) Stiles & Hass., 1900a, 578-600.—Huber, 1896, 577.—Inoue, 1892, 13, 15; 1893a, 79-86; 1897a, 175-178 (brain); 1900, 1-23 (distomatosis pulmonum); 1900b, 515, 664, 739; 1903, 124, 125, 130.—Katsurada, 1900, 507.—Kurimoto, 1893d, 1-6, 1 fig.—Kurimoto & Ijima, 1892a, (718-720).—Looss, 1905, 81, 82, 83.—Manson, 1883, (Mar. 31), 532-534; 1894, 805.—Matsushima, 1895a, 10-17 (induratio hepatitis).—Maxwell, 1899, 116-117, 2 figs.—Miura & Nakanishi, 1897, 20 Aug., 31-33.—Stiles, 1901b, 79-102.—Taylor, 1884, 44-54, figs. 1-5.—Winoue, 1892, Oct. 20, 13-16.—Winoue & Katsurada, 1892, Nov. 5, 15-21.—Ztsch. d. Tokio med. Gesellsch., 1892, v. 6 (6), Mar. 20, Art. 1.—IN BRAIN: Inoue, 1897a, 175-178.—Inoue & Katsurada, 1891, (17); 1892, v. 6 (6); 1893, 1902, v. 6 (21).—Jida, 1899, (1).—Taniguchi, 1904, Mar. 31, 237; 1904, Aug. 1, 156; 1904, Aug. 16, 350-351; 1904, v. 38 (1), 100-121, 2 pls.; 1904, 318-321; 1904, Dec. 3, 983; 1905, July 29, 508-509.—Yamagiwa, 1889, Sept. 20, 8; 1890, Mar. 5, 447-460, figs. 1-3; 1890, May 20, —; 1890, Sept. 5, 336-337.
- , LOCALITY: Ijima, 1893, v. 7 (16) (Yamanashi).—Katsurada, 1900d, 507 (mountainous regions).—Miura & Nakanishi, 1897a, 31-33.—Soma, 1893 (Japan).—Sons., 1884, v. 54 (7), 17-21 (Japan & Formosa).—Stiles & Hass., 1900a, 560-611; 1900b; 1900c, 3017-3027 (U. S.); 1901a, 45 (U. S.).—Yamagiwa, 1892, Mar. 5, 446-456 (Japan).
- , PATHOLOGY: Katsurada, 1899a, 8-29.—Katsurada, Fujiro & Fujiki, 1899a, 20 June, 1-18; 5 July, 2-29.—Magaziner, 1902, Apr., 296-302 (in man and lower animals).—Taniguchi, 1893, (794-795) (eye and testicle).—Wakabayashi, 1903, Apr. 20, 117 (orbit and lid).
- , SYMPTOMS: Huber, 1896a, 577.
- , TREATMENT: Katsurada, Fujiro & Saki, 1899a, 141-185.—Riusai, 1884, no. 307 (sulphurous acid).
- , IN MAN: Emerson, 1904, July-Aug., 263.—Stiles & Hass., 1900a; 1902f, 360; 1904c, 22.
- , IN SWINE: Stiles & Hass., 1900a, 560-611.
- PARAGONIMUS** Braun, 1899g, 492 (tod. *westerni*) (also places here, *Dist. rude* Dies., *Dist. compactum* Cobbold): 1900h, 5, 6; 1901c, 329, 330; 1903, 3. ed., 154-155; 1906, 160.—Looss, 1900d, 605; 1902m, 813.—Luehe, 1900, 555, 557.—Pratt, 1902, 887 (related to *Fasciolinae*), 894.—Stiles, 1901, 183, 185.—Taniguchi, 1904, v. 38, — (in brain); 1904 (XII, 3), 938.—Ward, 1903, 867.

## PARAGONIMUS—Continued.

- 1899: *Polysarcus* Looss, 1899b, 561 (tod. *westermanii*).  
*compactus* (Cobbold, 1859) Braun, 1901, 334.  
*rudis* (Dies., 1850) Stiles & Hass., 1900a, 604-605.—Braun, 1901e, 329, 332, pl. 20, figs. 12, 15-17.  
*westermani* (Kerbert, 1881) Looss, 1905, 81, 82, fig. 1; 83, 84, figs. 2-3; 85, 86 (syns. *Dist. ringeri*, *D. pulmonale*, *D. pulmonum*) (see *westermanii*); 1905m, 280, 282, 283.  
*westermanii* (Kerbert, 1878) Stiles & Hass., 1900a, 560-611, figs. 24-28, pls. 23-24, figs. 1-4; 1900b, 761-762 (*westermanii*); 1900c, 3017-3027; 1901a, Jan. 12, 45.—Anders, 1903, 6th ed., 1245-1246.—Braun, 1901e, 331, 332, 333, 334; 1903, 3. ed., 155, figs. 101-103; 1906, 160-163, figs. 92-94 (*westermani*) (in man, Royal tiger, dogs, pigs, cats; N. America).—Darr, 1902, 652, 687 (*westermanii*).—[Kellicott, 1894a, 123 (in dog; U. S. A.).]—Looss, 1905, 81, 82, 83, 84, 85, 86, figs. 1-3 (*westermanii*) (syns. *Dist. ringeri*, *D. pulmonale*, *D. pulmonum*), 117; 1905m, 280, 282, 283 (*westermani*).—Manson, 1903, 631, 632, 633-636, figs. 96, 97 (*westermanii*).—Miura, 1897, 31-33.—Ricketts, 1903, in 1204-1206.—Stiles, 1901b, 79-102 (*westermanii*); 1902, 45, 47; 1904i, 14-18, figs. 5-16.—Stiles & Garrison, 1906a, 29.—Strong, 1901, 44-45.—Ward, 1903, 703, 704; 1903, 863, 864, 867 (syns. *Dist. westermanii* Kerbert, 1878; *D. ringeri* Cobbold, 1880; *D. pulmonale* Baelz, 1883; *D. pulmonis* K., S., & Y., 1881 *Mesogonimus westermanii* Rail., 1890), 868.  
*westermanii* (Leuck., 1889) Stiles, 1900, 762 (see *westermanii*).  
**PARAMPHISTOMIDÆ** Fischder., 1901a, 367-375; 1901b, 634-636; 1902a, 59 pp., 4 figs. (syn. *Amphistomidæ* Mont.); 1902b, 356; 1903h, 485-600, figs. a-q, pls. 20-31; 1903i; 1904, v. 20, 453-470; 1904, 278-279; 1904, 532-533; 1904, Feb. 18, 598-601; 1904, Mar. 3, 173; 1904, Mar. 10, 403; 1905, Jan. 31, 16; 1905, Jan. 16, 119; 1905, Jan., 120; 1905, July 3, 63.—Braun, 1903, 3. ed., 145, 146.—Luche, 1901, 488.—MacCallum, 1905, 667.—Pratt, 1902, 887, 892 (includes: *Paramphistominæ*, *Cladorchinæ*).—Shipley, 1905, v. 6 (1), 4, 8.—Ward, 1903, 864 (*Gastrodiscus hominis*), 865 (see *Digenea*).  
**PARAMPHISTOMINÆ** Fischder., 1901, 367; 1902a, 10 (subf. of *Paramphistomidæ*); 1903h, 490, 492, 503.—MacCallum, 1905, 668.—Pratt, 1902, 887, 892 (syns. *Gastrothylax*, *Paramphist.*, *Stephanopharynx*).—Shipley, 1905, v. 6 (1), 8 (genera: *Paramphist.*, *Stephanopharynx*, *Gastrothylax*).  
**PARAMPHISTOMUM** Fischder., 1901a, 367, 370, 372, 373, 374; 1902a, 7, 10-11, 24, 25, 26, 38, 43, 54 (tod. *cervi*); 1903h, 490, 491, 492 (key), 503; 1904, 173; 1904, 403; 1904, 453-470 (3 species); 1904 (X), 532-533.—Looss, 1902m, 438, 780, 835.—Pratt, 1902, 887, 892.—Shipley, 1905, v. 6 (1), 7, 8.  
*bathycotyle* Fischder., 1903h, 542, for *bathycotyle*.  
*bathycotyle* Fischder., 1901a, 368, 370 (in *Bos kerabau*); 1902a, 15, 16, 22 (in *B. k.*; Ceylon); 1903h, 492, 498 (in *B. k.*; Ceylon), 518-520, pl. 20, figs. 8-9, 542 (*bathycotyle*); 1904, 454, 455, 456, 457, 458.  
*bothriophoron* (Braun, 1892) Fischder., 1901a, 370; 1902a, 21-22, 25, 29 (in Zebu; Madagascar); 1903h, 492, 496, 498, 538-541, figs. 24-28 (in *Bos taurus indicus*; Annanarivo, Madagascar), 544, 545, 546, 549, 550, 571.  
*calicophorum* Fischder., 1901a, 370 (in *Bos taurus*; East Africa and Capland, Queensland, China); 1902a, 22-23 (in *Bos tau.*); 1903h, 492, 498 (in *Bos tau.*; East Africa, Capland, Queensland), 509 (in *Ovis aries*? or *Bos tau.*), 541, figs. c, 29-35, 549, 550, 575 (in *Bos tau.*; Canton. Fu-mui, China), 580; 1904, 459.—Linst., 1906, 175 (in *Bos indicus*).  
*cervi* (Schränk, 1790) Fischder., 1901a, 368, 369; 1902a, 11-13, figs. 1, 14, 15, 20, 22, 26, 42 (includes *Festuc. cervi* Zed., 1790; *Monost. elaphi* Zed., 1800; *M. conicum* Zed., 1803; *Amphist. conicum* Rud., 1809) (in *Bos bubalus*, *B. taurus*, *B. urus*, *Cervus alces*, *C. dama*, *C. elaphus*, *Ovis aries*); 1903h, 492, 498 (in *Bos tau.*, *B. urus*=*Bison europæus*, *B. bubalus*; Egypt, ?Japan, ?N. Africa, ?Australia, ?India; *Cervus elaphus*, *C. alces*, *C. capreolus*, *C. dama*, *Capra hircus*; *Ovis aries*), 503, 504-515, fig. A, pl. 20, figs. 1-5 (syns. *Fasc. hepatica* Mueller, *Fest. cervi* Zed., *Fasc. cervi* Schränk, *F. elaphi* Gmelin, 1790; *Monost. elaphi* Zed., 1800; *M. conicum* Zed., 1803; *Amphist. conicum* Rud., 1809a, and of certain other authors), 530, 534, 535, 537, 539, 543, 565, 566, 590; 1904, 459, 460, 461, 462.—Braun, 1906, 142 (in *Bos taurus*).—Staff., 1905, Apr. 11, 693 (syn. *Amphist. conicum* Rud.) (in stomach of cattle; Canada).

## PARAMPHISTOMUM—Continued.

- cotylophorum* Fischder., 1901a, 370 (in *Bos taurus*, Togo; *Bos zebu*, German East Africa); 1902a, 23 (in *B. t.*, Togo; *B. z.*, German E. Africa); 1903h, 492, 499 (in *Bos taurus*, *B. t. indicus*; East Africa), 546–551, figs. f, 36–39 (in *B. t.*, Togo, Misahöhe; *B. zebu*; Africa, Langenburg); 1904, 460, 463, 464, 465.
- dicranocœlium* Fischder., 1901a, 369 (in *Bos taurus indicus*; Coll. Berlin Vet. School); 1902a, 18–19, 23 (in *B. t. ind.*); 1903h, 492, 499 (in *B. t. ind.*), 528–531, fig. d, pl. 21, figs. 5–17 (in *B. t. ind.*), 533, 534, 547; 1904, 458, 464, 465, 467.
- epiclitum* Fischder., 1904, 458–463, pl. 15, figs. 4–6, fig. B (in *Bos taurus indicus*, *Buffelus indicus*; Saigon, Cochinchina).
- explanatum* (Crep., 1847) Fischder., 1904, 454–458, pl. 15, figs. 1–3, fig. A (in *Bos taurus indicus*, *B. zebu*, *Buffelus indicus*).
- gracile* Fischder., 1901a, 368 (in *Bos kerabau* from Ceylon; *Portax tragocamelus*); 1902a, 16–17, 18–19 (in *B. k.*, Ceylon; *Portax trag.*); 1903h, 492, 499 (in *B. k.*, Ceylon, *Por. trag.*), 520–524, fig. B, pl. 21, figs. 10–11, 532, 535.—Linst., 1906, 175.
- liorchis* Fischder., 1901a, 368 (in *Cervus simplicicornis*, *C. campestris*, *C. mexicanus*, *C. rufus*, *C. dichotomus*, *C. namby*; Brazil); 1902a, 13–14 (syn. *Amphist. conicum* Dies. e. p.); 1903h, 492, 499, 515–518, pl. 20, figs. 6–7 (in same hosts).
- microbothorium* Fischder., 1902a, 21 (for *microbothrium*).
- microbothrium* Fischder., 1901a, 369 (in *Antelope dorcas*; Coll. Vien. and Coll. Berl. Vet. School); 1902a, 20–21 (*microbothorium*); 1903h, 492, 499, 535–538, pl. 22, figs. 21–23 (in *Antelope dorcas*), 539, 540, 541, 542.
- orthocœlium* Fischder., 1901a, 369 (in *Bos kerabau*); 1902a, 17–18, 19, 20 (in *Bos kerabau*; Ceylon); 1903h, 492, 499, 524–528, fig. C, pl. 21, figs. 12–14 (in *Bos kerabau*; Ceylon, Königsberg i. Pr.), 529, 530, 531, 532, 534; 1904, 467.
- scoliocœlium* Fischder., 1904, 459, 463–468, pl. 16, figs. 7–11, fig. C (in *Buffelus indicus*, in Cochinchina and Annam; *Bos taurus*, at Annam).
- strephocœlium* Fischder., 1902a, 19–20, 25, 50 (in *Bos kerabau*; Ceylon) for *streptocœlium*.
- streptocœlium* Fischder., 1901a, 369 (in *Bos kerabau*; from Ceylon); 1903h, 492, 499, 531–534, pl. 21, fig. 18, pl. 22, figs. 19–20 (in *Bos ker.*), 537, 539, 540; 1904, 465.
- PARORCHIS** Nicoll, 1907, 128, *Zeugorchis* Nicoll, 1906, not Staff., 1905, renamed, hence type *acanthus*.
- PATAGIUM** Heymann, 1905, 82, 90 (m. *brachydelphium*).
- brachydelphium* Heymann, 1905, 81, 82–89, pl. 6, figs. 1–3 (in *Dermatemys mavi* Gray; Coll. Königsberg i. Pr.).
- PECTOBOTHRIA** Braun, 1893b, 188, for *Pectobothrii*.
- PECTOBOTHRII** Burm., 1837a, 530; 1856a, 243, 251.—Braun, 1890a, 515, 516; 1893b, 188 (*Pectobothria*).—Mont., 1888a, 83.—Tasch., 1879, 233.
- PEDICELLINÆ** Mont., 1888a, 88.
- PEGOSOMUM** Ratz, 1903, v. 1, 417–432, 1 pl. (type by present designation *saginaturn*), *Fasciolidæ*.
- asperum* (Wright, 1879) Ratz, 1903, 423–424, 431–432 (in *Botaurus minor*).
- saginaturn* (Ratz, 1898) Ratz, 1903, 419–421, 427–429, pl. 16, figs. 2, 4 (in *Ardea alba*; Hungary).
- spiniferum* Ratz, 1903, 422–423, 429–431, pl. 16, figs. 1, 3 (in *Botaurus stellaris*; Hungary).
- PETRATHYRUS** Cobbold, 1860a, 42, for *Tetrathyrus*.
- obesus* (Crep., 1851) Cobbold, 1860a, 42, renamed *Monost. gurltii*.
- PEUDOCOTYLE** Tasch., 1879, 65, apparently for *Pseudocotyle*.
- PHACUS** Nitzsch, 1827, 69, contains *Cerc. pleuronectes*, *C. tenax*.
- PHANEROPSOLUS** Looss, 1899b, 608–609, 611, 612, 633 (tod. *sigmoideus*) *φανερός* = visible; *ὁ φωλός* = penis; 1902m, 822, 823.—Braun, 1900, 234; 1901, 948; 1901e, 311, 313; 1901, 567.—Pratt, 1902, 889, 903, 904.
- longipenis* Looss, 1899b, 608, 714–715, fig. 35 (in ape, gen. et sp. undetermined; Gizeh Zool. Garden); 1902m, 823.—Braun, 1901e, 311, 313.

## PHANEROPSOLUS—Continued.

*micrococcus* (Rud., 1819) Braun, 1901, 567; 1902b, 41, 49, 62, 64, fig. 40 (syns. Dist. mi. Rud., 1819; Dies., 1850a; D. (Brachylaimus) mi. Stoss., 1892).

*orbicularis* (Dies., 1850) Braun, 1901e, 348, pl. 20, fig. 14.

*oviformis* (Poir., 1886) Looss, 1899b, 609.

*sigmoideus* Looss, 1899b, 608, 712–713, 714, fig. 31 (in *Passer dom.* at Alexandria; *Caprimulgus europæus* at Cairo); 1902m, 823, 824 (probably = Dist. *micrococcus* Rud., see Braun).—Braun, 1901e, 311, 313; 1901, 567; 1902b, 63, 64.—Staff., 1905, Apr. 11, 693.

PHASCIOLA Wilder, 1894 (for Fasc.).—Stiles & Hass., 1898a, 89, 92 (syn. of Fasc.).

PHILOPHTHALMINÆ Looss, 1899b, 586–587; 1902m, 839.—Braun, 1902b, 31.—Luche, 1901, 488.—Odh., 1905, 314.—Pratt, 1902, 888, 898 (includes: *Philophthalmus*, *Pygorchis*).—Shipley & Hornell, 1904, 95.

PHILOPHTHALMUS Looss, 1899b, 587 (tod. palpebrarum).—Braun, 1902b, 31, 32.—Ofenheim, 1900, 182.—Pratt, 1902, 888, 898.

*lachrymosus* and *lacrymosus* Braun, 1902b, 31, 37 (Dist. *lucipetum* Braun p. p. in *Larus maculipennis*; Brazil).—Looss, 1907, Mar. 5, 480.

*lucipetus* (Rud., 1819) Looss, 1899b, 587, 701, 702; 1907, Mar. 5, 480.—Braun, 1902b, 32, figs. 21–23 (syns. Dist. *lucipetum* Rud., 1819a; Brem., 1824; Dies., 1850; Braun, 1897; D. (Dicrocœlium) luc. Duj., 1845; Stoss.)

*nocturnus* Looss, 1907, Mar. 5, 479–480, fig. 2 (in *Athene noctua*; Egypt).

*palpebrarum* Looss, 1899b, 587, 701–702, fig. 24 (in *Corvus cornix* at Cairo; *Milvus parasiticus*); 1901, 205; 1907, Mar. 5, 479, 480 (in *Athene noctua*; Egypt).—Braun, 1902b, 31, 32, 37.

PHYLLINE Abildg., 1790, 31 (syns. *Tænia laticeps* Pallas, *Caryophyllus* Gœze, Fasc. fimbriata Gœze).—Audouin, 1828a, 454–455.—Baer, 1827b, 674.—Baird, 1853a, 97 (= *Caryophyllæus mutabilis* Rud.).—Ben., 1858a, 1861a, 12, 19, 20.—Ben. & Hesse, 1864, 67 (of Oken, syn. of *Nitzschia elegans*).—R. Bl., 1888, 130 (of Oken, = trematode).—Braun, 1890a, 515, 518, 527.—Burm., 1856a, 251.—Dies., 1850a, 290, 426 (of Oken, syns. *Hirudo* Mueller, *Epibdella* Blainv., *Trist. Rathke*). 428 (of Oken, syn. of *Trist.*). 445 (of Oken, syn. of *Malacobdella*), 577 (of Abildg., syn. of *Caryophyllæus*). 578 (of Abildg., syn. of *C. mutab.*); 1858e, 313, 363 (of Oken, mentions only *hippoglossi*); 1859c, 437.—Fabricius, 1794, 30.—Goldb., 1855a, 20.—Johnston, 1865, 32.—Mont., 1888a, 84, 87; 1902, 138, 143; 1905, 75, 76.—Nitzsch, 1826, 150.—Odh., 1905, 371 (of Oken, type is *diodontis*=*Trist. maculatum*).—Rud., 1809a, 24.—Stoss., 1898, 6 (of Oken).—Tasch., 1878, 563, 566 (syn. of *Trist. maculatum*=*Capsala martinieri*).

1891: Phyllinic Sons., 1891, 262, for Phylline.

*bumpusii* (Lint., 1900) Linst., 1903, 355.

*caligi* Kroyer.—Ben., 1858a, 1861a, 13 (syn. of *Udonella caligarum* Johnston).

*coccinea* (Cuvier, 1817) Schweigger, 1820, 474.—Dies., 1850, 429 (syn. of *Trist. rudolphianum*).—Johnston, 1865, 33.—Stoss., 1898, 5.—Tasch., 1878, 567 (*coccinea*) (syn. of *T. molæ*).

*coccinea* Tasch., 1878, 567 (for *coccinea*).

*diadema* (Mont., 1902) Linst., 1903, 355.

*diodontis* Oken, 1817, 182, 370, pl. 10, fig. 3 (based on Martinière, 1787a, 207–208, figs. 4–5, on *Diodon* sp.; Norka to Monterey, Cal.).—Des., 1850a, 430 (syn. of *Trist. maculatum* Rud.).—Nitzsch, 1826, 150.—Odh., 1905, 371.—Tasch., 1878, 567 (syn. of *Trist. mac. Rud.*).

*grossa* (Mueller, 1788) Johnston, 1865a, 35.—Dies., 1850a, 445 (to *Malacobdella*).—Leidy, 1852, 209 (= *Malacobdella grossa* Blainv.).

*hendorffii* Linst., 1889e, 163–180, pls. 10–11 (anatomy) (on *Coryphæna hippurus*; *Caleta buena*, Chile); 1893f, 170–172.—Braun, 1890a, 421, 426.—Mont., 1891, 126.

*hippoglossi* (Mueller, 1776) Oken, 1815.—Ben., 1858a, 1861a, 21 (to *Epibdella*).—Ben. & Hesse, 1864, 69 (to *Epibdella*).—Dies., 1850a, 426–427 (syns. *Epibdella hipp.* Blainv., *Hirudo hipp.* Mueller, *Trist. hamatum* Rathke); 1858e, 363; 1859c, 437 (in *Hippoglossus vulgaris*; Belgium).—Johnston, 1865a, 32; —, 431, pl. 15, figs. 1–3.—Koelliker, 1849, 21.—Linst., 1903, 355.—Moq.-Tandon, —, 392.—Nord., 18—, 526.—Odh., 1905, 370 (to *Epibdella*), 371.—Tasch., 1878, 564, 565, 568 (to *Trist.*).—Thompson, —, 482.—Reported also for *Hippoglossus gigas*, *H. maximus*.

## PHYLLINE—Continued.

*monticellii* Par. & Perugia, 1895, 2.—St.-Remy, 1898, 534 (to *Epibdella*).—Stoss., 1898, 7 (in *Mugil auratus*; Trieste).

*sciænæ* (Ben., 1856) Sons., 1891, 263 (in *Sciæna umbra*, *Umbrina cirrhosa*), 262 (Phyllinic).—Linst., 1889a, 76 (syn. of *Benedenia elegans*).

*soleæ* (Ben. & Hesse, 1863) Linst., 1903, 355.

*squamula* (Heath, 1902) Linst., 1903, 355.

**PHYLLOCOTYLE** Ben. & Hesse, 1863, 1864, 96, 103 (m. *gurnardi*).—Braun, 1890a, 413, 477, 516, 517, 523, 534, 536, 546; 1893a, 890.—Cerf., 1895h, 918; 1896, 514.—Gamb., 1896a, 73.—Hoyle, 1890, 539.—Mont., 1888a, 7, 8, 11, 66, 67, 86, 89, 100; 1892, Oct. 7, 213 (g. of *Octocotylinæ*); 1903, 336 (subf. *Plectanocotylinæ*); 1905, 76, 77, 78.—Pratt, 1900, 651 (on gills of marine fishes), 656, fig. 29.—Scott, T., 1901, 147.—Tasch., 1879, 69; 1879, 239, 247.

*gurnardi* Ben. & Hesse, 1863; 1864, 103–104, pl. 10, figs. 1–7 (in *Trigla gurnardus*).—Braun, 1890a, 418, 536, 548.—Mont., 1888a, 8, 13, 16; 1905, 76.—Pratt, 1900, 656, fig. 29; 657.—Scott, 1901, 147–148, pl. 8, fig. 23 (in *Trigla gurnardus*); 1905, 115–116, pl. 6, figs. 19–20 (in *Trigla gurnardus*); 1905, 116 (of Scott, 1901, 147, pl. 8, fig. 23) (syn. of *Plectanocotyle lorenzii*).—Tasch., 1879, 247 (in *Trigla gurnardus*).

**PHYLLODISTOMUM** Braun, 1899g, 492 (tod. folium) (Braun also places here: *D. cygnoides* Zed., after Looss, 1894, 23; *D. cymbiforme* Rud.; *D. patellare* Sturg.); 1901b, 9–10.—Looss, 1900d, 605; 1901b, 202, 203, 204, 207 (*Gorgoderinæ*: folium, *patellare*); 1901l, 557, 558; 1902m, 476, 477, 478, 479, 480, 515, 795, 797, 813, 814, 824, 827, 844, 847, 856, 857, 858, 859, 860, fig. 3; 861, 862 (*Gorgoderinæ*).—Odhn., 1901, 64, 65, 66, 67; 1902, 37; 1902, 64, 65, 66.—Pratt, 1902, 888, 900, 901.—Stiles, 1901, 183, 185.—See also *Rhopalocerca*. 1899: *Spathidium* Looss, 1899b, 605 (folium) [not Duj., 1841].

*acceptum* Looss, 1901b, 203 (in bladder of *Crenilabrus pavo*, *C. griseus* at Trieste); 1901d, 404–405, fig. 4; 1902m, 480, 782, 798, 844, 857.—Odhn., 1901, 66; 1902, 66.

*americanum* Osborn, 1903, 252–258, figs. 1–4 (in *Amblystoma punctatum*; Minnesota); 1903, 532–533 (in *A. tigrinum* Green; Minnesota).

*conostomum* (Ols., 1876) Looss, 1902m, 857.

*cymbiforme* (Rud., 1819) [Braun, 1899, 492] Luche, 1900, 564; 1901b, 10–13, fig. 1.—Looss, 1902m, 469 (to *Plesiochorus*, type).

*folium* (Olfers, 1816) Braun, [1899, 492:] 1901, 947; 1902b, 146.—Looss, 1901, 202; 1902m, 480, 782, 797, 798, 827, 857, 862.—Luche, 1901, 54.—Osborn, 1903, 252, 254, 255; 1903, 533.—Ssinitzin, 1905, 75, 101, 108; 1906, 683 (near Warschau), 684 (in *Cottus gobio*, *Dreissena polymorpha*), 685 (to *Gorgoderina*).—Staff., 1904, May 3, 492 (in bladder of *Esox lucius*; Canada).

*linguale* Odhn., 1902, 66 (in *Gymnarchus niloticus*; Omdurman, Sudan).—Looss, 1902m, 480, 857, 861.

*patellare* (Sturges, 1897) [Braun, 1899, 492].—Looss, 1901b, 202; 1902m, 480, 844, 857.—Osborn, 1903, 252, 254, 255; 1903, 533.

*spatula* Odhn., 1902, 66–67 (in *Bagrus docmac*, *B. bayad*; Omdurman, Sudan).—Looss, 1902m, 480, 861 (type of *Catoptroides*).—Osborn, 1903, 254; 1903, 533.

*spatulaforme* Odhn., 1902, 67–68 (in *Malapterurus electricus*; Omdurman, Africa).—Looss, 1902m, 480, 861 (to *Catoptroides*).

*superbum* Staff., 1904, 492 (in *Ameiurus nebulosus*, *Perca flavescens*; Canada; fish probably brought to Montreal).

*unicum* Odhn., 1902, 66 (in *Serranus* sp.; Tor in Sinai, Red Sea).—Looss, 1902m, 480, 857, 861.—Osborn, 1903, 255; 1903, 533.

**PHYLLONELLA** Ben. & Hesse, 1863; 1864, 65, 66, 70–71 (m. *soleæ*).—Braun, 1890a, 412, 414, 469, 471, 475, 490, 498, 511, 516, 517, 519, 523, 526, 527.—Gamb., 1896a, 73.—Massa, 1906, 43.—Mont., 1888a, 7, 10, 13, 20, 66, 86, 87, 97; 1892, Oct. 7, 172, 213 (syn. of *Epibdella*); 1899, 98; 1902, 139 (*Phylonella*), 140, 142; 1903, 335 (= *Epibdella*).—Pratt, 1900, 848.—Tasch., 1878, 566 (syn. of *Trist.*) (*Phylonella*).—Scott, T., 1901, 142.

1878: *Phylonella* Lorenz, 1878a, 434.

*hippoglossi* (Mueller, 1776) Goto, 1899, 264–269, pl. 20, figs. 1–7.—Linst., 1903, 280.—Mont., 1902, 140; 1905, 75, to (*Epibdella*).

## PHYLLONELLA—Continued.

*solca* Ben. & Hesse, 1863; 1864, 70–71, pl. 5, figs. 1–8 (in *Solea vulgaris*).—Braun, 1890a, 409, 418, 424, 446, 465, 475, 512, 519, 528, 547, 552.—Cunningham, 1890a, 93–96, figs. C–D.—Goto, 1899, 266.—Lorenz, 1878a, 434.—Mont., 1892, 106, 115, 124, 125, 126 (to *Epibdella*); 1902, 139 (to *Epibdella*).—Pratt, 1900, 655, 657, fig. 6.—Scott, 1901, 142–143, pl. 8, fig. 17 (in *S. v.*; Clyde River); 1901, 344 (in *Solea vulgaris*; Irish Sea); 1905, 118 (in Scott, 1901, pl. 8).—Tasch., 1878, 564, 568 (*Phylonella*) (to Trist.).

PHYLLONELLA Lorenz, 1878a, 434, for *Phyllonella*.

PINTNERIA Poche, 1907, Jan. 4, 125, *Hoploderma* Cohn, 1893, not *Michælis*, renamed, hence type *mesocelium*.

PLACOPLECTANUM Dies., 1858e, 315, 384 (*Discocotyle*, 1850, renamed, hence type *sagittatum*; also type by first species rule and because it is the only positive species).—Braun, 1890a, 518.—Tasch., 1879, 239.

*hirundinaceum* (Bartels, 1834) Dies., 1858e, 384, to (*Discocotyle*).

*leptogaster* (Leuck., 1830) Dies., 1858e, 384 to (*Discocotyle*).—Tasch., 1879, 245 (to *Octobothrium*).

*sagittatum* (Leuck., 1842) Dies., 1858e, 384.—Tasch., 1879, 244 (to *Octobothrium*).—Linst., 1879 (reported for *Catostomus teres*).

PLACUNELLA Ben. & Hesse, 1863; 1864, 65, 66, 71–74 (*pini* type by page precedence).—Braun, 1890a, 411, 412, 415, 469, 498, 511, 516, 517, 519, 523, 526, 528; 1891d, 422.—Gamb., 1896a, 73.—Massa, 1903, 252; 1906, 43, 44, 51 (syn. of *Trochopus*), 58 (*Ptacunella*).—Mont., 1888a, 7, 10, 11, 13, 52, 66, 86, 87, 97; 1891, 104, 105, 107, 111; 1899, 98; 1903, 335 (= *Trochopus*).—Par. & Perugia, 1890, 13.—Par. & Mont., 1902, Dec., 46.—Pratt, 1900, 646, 648.—St.-Remy, 1898, 534.—Scott, T., 1901, 143.—Stoss., 1898, 7–8.—Tasch., 1878, 566 (syn. of Trist. Cuv.).

1906: *Ptacunella* Massa, 1906, 58, misprint.

*exacantha* Mont., 1891, 104, for *hexacantha*.

*hexacantha* Par. & Perugia, 1889, 740–741, fig. 1 (in *Serranus gigas*; Genova); 1890, 740–741, fig. 1; 1890, 5; 1894, 594.—Braun, 1890a, 418, 528, 547, 552.—Massa, 1906, 47, 59 (to *Trochopus*).—Mont., 1891, 1892g, 104, pl. 6, fig. 31 (*exacantha*).—Par., 1899, 3; 1902, 2 (in *S. g.*; Elba).

*pini* Ben. & Hesse, 1863; 1864, 72, 73, pl. 5, figs. 9–18 (in *Trigla pini*).—Braun, 1890a, 418, 465, 528, 547, 552.—Par. & Perugia, 1889, 740; 1890, 740; 1890, 5; 1899, 3.—Massa, 1906, 57 (to *Trochopus*), 64 (of Scott, 1901, 344) (syn. of *Trochopus diplacanthus* Massa).—Mont., 1888a, 11.—Par., 1902, 2 (in *Trigla hirundo*; Elba).—Pratt, 1900, 655, 657, fig. 8.—Scott, 1901, 344–345, 1 fig. (in *Trigla hirundo*; Irish Sea); 1901, 143 (in *Trigla pini*).—Tasch., 1878, 564–685 (to Trist.).

*rhombi* Ben. & Hesse, 1863; 1864, 73–74, pl. 6, figs. 1–7 (in *Rhombus maximus*).—Braun, 1890a, 412, 419, 465, 528, 547, 551.—Massa, 1906, 58 (to *Trochopus*).—Mont., 1888a, 11.—Tasch., 1878, 564, 568 (to Trist.).

*vallei* Par. & Perugia, 1895, (3) (in *Naucrates ductor*; Genova).—Looss, 1902m, 746.—Massa, 1903, 252; 1906, 44.—St.-Remy, 1898, 534.—Stoss., 1898, 8 (in *Naucrates ductor*; Trist.).—Type of *Ancyrocotyle* 1903.

PLACUNELLE Par. & Perugia, 1889, 740; 1890, 740.

PLAGIOPELTINÆ Mont., 1903, 336 (subf. of *Octocotylidæ*).

PLAGIOPELTIS Dies., 1850a, 289, 416–417 (m. *duplicata*); 1858e, 314, 368–369.—Ben. & Hesse, 1864, 84.—Braun, 1890a, 518, 546.—Cerf., 1895h, 920; 1896, 515.—Goldb., 1855a, 19.—Mont., 1903, 336 (syn. of *Hexacotyle*)—Tasch., 1879, 249 (syn. of *Hexacotyle* Blainv.).—See *Hexacotyla*.

*duplicata* (Rud., 1819) Dies., 1850a, 417 (includes *Polyst. thynni* Delaroche, 1811; *Hexacotyla thynni* Blainv.); 1858e, 369 (in *Thynnus brachypterus*; Balearic Isles, Vindobona).—Tasch., 1879, 250 (syn. of *Hexacotyle thynni* (Delaroche)).

*thynni* (Delaroche, 1811) Braun, 1891d, 421.

PLAGIOPORUS Staff., 1901, May 3, 493–494 (m. *serotinus*): *πλάγιος*, oblique; *πόρος*, pore.

*serotinus* Staff., 1904, May 3, 493–494 (in *Moxostoma macrolepidotum* L. S.; Canada).

**PLAGIORCHIDÆ** Luehe, 1901, 173; 1901, 486, 487.—Looss, 1902m, 839, 840 (includes: Lepodermatinae Looss, Brachycoeliinae Looss, Pleurogenetinae Looss, also Prymnopriion, Haplometra, Pneumoneces (=Hæmatolæchus), Saphedera (=Macrodera), Opisthogonimus Luehe, Anchitrema, Dist. mutabile, Dicrocoeliinae).

**PLAGIORCHINIÆ** Pratt, 1902, 888, 898 (includes: Opisthioglyphæ, Plagiorchis; related genera: Glossidium, Enodiotrema, Pachypsolus).

**PLAGIORCHINÆ** Luehe, 1901, 173.

**PLAGIORCHIS** Luehe, 1899k, 531, 532, 533, 534 (tld. *D. lima*); 1900, 558; 1901, 487 (*lima* designated type).—Braun, 1901b, 56, 58; 1901i, 56, 58; 1901, 563, 564, 567, 568; 1902b, 37, 40, 41, 42, 43, 46, 47, 49, 50, 53, 54, 94, 125 (syn. *Lepoderma* Looss, 1899).—Looss, 1900, 607; 1901b, 207; 1902m, 813, 824; 1907, Mar. 5, 483.—Pratt, 1902a, 888, 899.—Staff., 1905, Apr. 11, 691.—Stoss., 1904, Feb. 11, 1-2, 1 pl., 1 fig.; 1905, 31 Jan., 24.—(See also *Dist. cirratum*, *D. lima*, *mentulatum*, and probably *D. erraticum*, *D. ramlianus*, *D. reniforme* (=unicum[=renifera]), *D. horridum* Leidy, possibly *didelphidis*).

*asperus* Stoss., 1904, 1-2, 1 pl., 1 fig. (in intest. ten. of *Plecotus auritus*; Grisi-gnana, Istria).

*cirratum* (Rud., 1802) Luehe, 1899, 530.—Braun, 1901, 564, 566; 1902b, 43, 46, 47, 50 (syns.: *Fasc. cirrhata* Rud., 1802, 66; *Dist. cirr. Rud.*, 1809a, 376; 1819a, 100; Dies., 1850a, 350; Mueh., 1896, 262; *Dist. (Brachylaimus) cirratum* Duj., 1845a, 413; Stoss., 1892, 11).—Staff., 1905, Apr. 11, 693.

*didelphidis* (Par., 1896) Stoss., 1904, table (in *Didelphis marsupialis*; Paraguay).

*elegans* (Rud., 1802) Braun, 1902b, 38, 42, 43, 46, 47, 50 (syns.: *Fasc. elegans* Rud., 1802, 65; *Dist. elegans* Rud., 1809a, 375; 1819a, 100; *Crep.*, 1829, 59; Dies., 1850a, 349; *Dist. (Brachylaimus) elegans* Stoss., 1892, 11, as syn. of *D. cirratum*; Duj., 1845a, 414; *D. erraticum* Linst., 1894, 335; *D. elegans* Rud. = *D. cirratum* Rud., Mueh., 1896; 589).—Stoss., 1904, table (in *Uccelli insettivori diversi*; Europe).

*horridus* (Leidy, 1850) Stoss., 1904, table (in *Boa*, India; *Python*, America).

[*lima* (Rud., 1809) Luehe, 1899k, 930-931.]

*maculosus* (Rud., 1802) Braun, 1901, 943; 1902b, 45, 46, 47, 54, 93, 94, figs. 27, 28 (syns.: *Fasc. hirundinis* Frølich?, 1791, 75; *Dist. hirundinis* Zed., 1800a, 169; *Fasc. maculosa* Rud., 1802, 67; *Dist. maculosum* Rud., 1809a, 374; Duj., 1845a, 412; Dies., 1850a, 349; *D. maculosum* = *P. maculosum* Braun, 1901, 566; *D. (Dicrocoelium) maculosum* Ols., 1876, 14; *D. (Brachylaimus) maculosum* Stoss., 1892, 11; *D. crassum* Ols., 1876, 25 nec Siebold).—Kowal., 1902d, 27 [9] (*maculosa*); 1904, 25 [10] (in *Hirundo rustica*; Dublany).

*mentulatus* (Rud., 1819) Stoss., 1904, table (in *Tropidonotus*, *Lacerta*, *Podarcis*; Europe).

*nanus* (Rud., 1802) Braun, 1901, 567; 1902b, 47, 50, figs. 29, 30 (syns.: *Fasc. nana* Rud., 1802, 68; *Dist. nanum* Rud., 1809a, 376; 1819a, 101; Duj., 1845a, 446; Dies., 1850a, 350; Stoss., 1892, 41).—Stoss., 1904, table (in *Glarcola*, *Scolopax*; Greifswald).

*permixtus* Braun, 1901, 943 (in *Hirundo rustica*; Coll. Vienna); 1902b, 46, 54, figs. 33, 34.—Stoss., 1904, table (in *rondine*; Vienna).

*ramlianus* (Looss, 1896) Stoss., 1904, table (in *Camelonte*; Egitto).—Type of *Lepoderma*, 1899.

*sauromates* (Poir., 1886) Stoss., 1904, table (in *Elaphis*).

*triangularis* (Dies., 1850) Braun, 1901, 568; 1902b, 51, figs. 32, 33 (syns.: *Dist. triangulare* Dies., 1850a, 351; Stoss., 1892, 44; *D. (Brachylaimus) meropis* Par., 1896, 5; *Megacetes triangularis* Looss, 1899, 725).—Stoss., 1904, table (in *Merops apiaster*; Vienna).

*vespertilionis* (Mueller, 1784) Braun, 1900, 217-220, 228, 230, pl. 10, figs. 1-2.—Staff., 1905, April 11, 693 (syn. *Dist. lima*; in *Vespertilio subtilis* Say; Canada).—Stoss., 1904, 1, table (in *Chiropteri diversi*; Europa centrale).

*vitellatus* (Linst., 1875) Braun, 1901, 943 (in *Actitis hypoleucos*); 1902b, 50, 51, fig. 31 (syns.: *Dist. vitellatum* Linst., 1875, 189; *D. (Brachylaimus) vitellatum* Stoss., 1892, 12).—Stoss., 1904, table (in *Actitis hypoleucos*; Ratzeburg).

**PLANARIA** Mueller, 1776 (worm); 1780, 210; Goeze, 1782a (trematode); Brown, 1827 (mollusk); Lea, 1833 (mollusk). [The early literature on *Planaria* is rather confused, containing references to turbellaria, trematodes, and mollusks. The name is now confined to the fresh-water turbellarian group *Pla-*



## PLANARIA—Continued.

- nariidae. The list of species given below contains all the specific (trematode and others) names which we have thus far had occasion to index. We have not worked out the type species, except for Goeze, 1782.]
- of Braun, — Dies., 1850a, 412 (syn. of Polyst.).—Tasch., 1879, 251 (syn. of Polyst.).
- of Goeze, 1782a, 41, 168–179, a genus or “Geschlecht” containing among others *Fasc. hepatica*, hence takes this as type; Goeze divides *Planaria* into 4 “Gattungen”: *Latiuscula*, *Teres* seu *Cylindrica*, *Alata* seu *Dubia*, *Subclavata*.—Abildg., 1790a, 36 (syn. of Dist.); 1794, 58.—Brand., 1888a, 8.—Braun, 1893a, 883, 884, 893, 894, 902, 908.—Crep., 1837, 309.—Dies., 1850a, 307 (syn. of Hemist.), 312 (syn. of Holost.), 318 (syn. of Diplodiscus), 331 (of authors, syn. of Dist.), 388 (of Goeze, 1782a, 177, pl. 16, syn. of Dist. *ferox*).—Lamoureux, 1824a, 559 (syn. of Dist.).—Nitzsch, 1819, 397.—Rafinesque, 1815, 151 (syn. of *Monostomeus* Raf.).—Rud., 1809a, 22.—Stiles, 1901, 180.—Stiles & Hass., 1898a, 88, 92 (syn. of *Fasc.*).
- of Linn.—Bosc, 1802a, v. 1, 248–254.
- fresh water.—Knapper, 1865a, 39 pp., 2 pls.: 1866a, 271–272.
- land.—Kennel, 1878a, 26–29 (Dorpat).—Mosley, 1874, 132 (Ceylon).
- marine.—Collinwood, 1876a, 83–98, pls. 17–19 (31 species).—Gœtte, 1878a, 75–76.—Kefenstein, 1869a, 3–38, pls. 1–3 (St. Malo).—Kirk, 1882, 267–268.—Monti, 1900, 1–16, 2 pls. (regeneration).—Quatrefages, 1845, 129–184.
- miscellaneous.—Agassiz, 1866, 306–309.—Baer, 1826a, 126; 1827b, 1828d, 183–187 (of Dugès).—Bardcn, 1902, 262–288, 12 figs. (embryology, regenerative development); 1903, 1–20, 18 figs. (heteromorphosis).—Bory de St. Vincent, 1828b, 11.—Calkins, 1901b, 12 (of Agassiz).—Curtis, 1905, July 4, 169–175, 2 figs. (location of pharynx in embryo); 1905, 855–856.—Cuvier, 1817, 43.—Dalyell, 1814a.—Dugès, 1828a, 139–183, pls. 4–5 (planariées); 1830a, 169–183; 1830b, 72–90, figs. 1–26; 1833b, 619–625, figs. 1–26.—Fabricius, 1794, 20; (1798a), 52–66, pl. 2.—Faraday, 1832a, 723–724; 1833a, 183–185; 1834a, 994.—Fischer, 1799, 96.—Geddes, 1880a, 51–58; 1880b, 99–100.—Gerstfeldt, 1859a, 261–263.—Girard, 1850a, 398–402; 1850b, 300–308; 1851a; 1851b; 1854a (from Carolina).—Graber, 1879a, 278 (ameboid epithelium).—Grube, 1872a, 273–292, pls. 11–12 (from Baikal).—Herbst, 1787a, 33, 36, 94.—Houghton, 1867a, 300–301 (n. sp.); 1870a, 255–257, figs. 1–2 (2 sp. from Borneo).—Hoyle, 1890, 49.—Johnson, 1822a, 437–447, figs. 1–17; 1825b, 247–256, pl. 16, figs. 1–11; 1833b, 177–178; 1883c, 238.—Kolliker, 1846a, 291–295, figs. 1–13.—Lamarck, 1801a, 330.—Lankester, 1890, 835–836.—Lawson, 1861a; 1861b.—Leidy, 1847e, 252 (2 sp.); 1848a, 78–79.—Leuck., 1863, 154.—Morgan, 1904, 502–505.—Pallas, 1781a, 59.—Rathke, 1799, 82; 1799, 147, pl. 2, figs. 7–8.—Ryder, 1882, 48–51, figs. 1–10 (parasitic on *Limulus*).—Sabussow, 1904, 1–28.—Schneider, 1866, 11.—Slawikowski, 1819, 56.—Thienemann, 1906, 499–504.
- alata* Goeze, 1782a, 176–177, pl. 14, figs. 11–13 (t. h. the fox).—Brand., 1888a, 60 (to Hemist.).—Dies., 1850a, 307–308 (to Hemist.).—Nitzsch, 1819, 399 (to Holost.).—Rud., 1809a, 402 (to Dist.).—Ward, 1895, 341 (to Hemist; in *Canis familiaris*).
- alpina* (Dana).—Collin, 1891b, 177–180; 1891c, 177–180.—Borelli, 1905, 4 pp.—Brand., 1900, 303–304.—Fredericq, 1905, 199–200; 1905 (X. 18), 597 (in Belgium).
- angulata* (Mueller, 1774) Fabricius, 1798, 53–58, pl. 11, figs. 1–7.—Bosc, 1802a, v. 1, 256.—Herbst, 1787a, 34.
- ardæ* (Gmelin, 1790) Rud., 1809a, 432 (see Dist. *ardæ stellaris* Rud.).
- atomata* Bosc, 1802a, v. 1, 260.
- auriculata* Bosc, 1802a, v. 1, 261.
- badia* Rathke, 1799, 147, pl. 3, figs. 9, a–b.
- bicornis* Bosc, 1802a, v. 1, 257.
- bilis* Braun, 1790a, 61, pl. 3, figs. 4–5 (in *Falco melanaëtus*; Germany); 1792, 61, pl. 3, figs. 4–5—Braun, 1901f, 561.—Dies., 1850a, 376 (syn. of Dist. *crassiusculum*).—Gmelin, 1790a, 3054 (to *Fasc.*).—Rud., 1809a, 408 (=Dist. *crassiusculum* Rud.).
- brunnea* (Mueller, 1774) — —, 1776.—Fabricius, 1798, 64–66, pl. 11, figs. 13–15.—Bosc, 1802a, v. 1, 255 (brunea).—Herbst, 1787a, 33.

## PLANARIA—Continued.

- candida* (Mueller, 1774) — —, 1776.—Fabricius, 1798, 62–64, pl. 11, figs. 11–12.—Bosc, 1802a, v. 1, 262.—Herbst, 1787a, 35.
- capitata* Bosc, 1802a, v. 1, 261 (for *capitata*?), in Baltic Sea.
- capitata* (Mueller, 1774) — —, 1776.—Herbst, 1787a, 35.
- carnea* Rathke, 1799, 83, 147, pl. 3, figs. 10 a–b.
- caudata* (Mueller, 1774) Bosc, 1802a, v. 1, 261.—Herbst, 1787a, 35.
- cavatica* Fries, — —, 151–153.
- ciliata* (Mueller, 1774) — —, 1776.—Bosc, 1802a, v. 1, 255.—Herbst, 1787a, 34.
- cornuta* Mueller, 1776a, 221.—Bosc, 1802a, v. 1, 260.—Herbst, 1787a, 34.
- crenata* (Mueller, 1774) — —, 1776.—Bosc, 1802a, v. 1, 259.—Herbst, 1787a, 34.
- cylindrica* Gœze, 1782, 173: *P. teres* s. *cylindrica*, 174 (syn. of *cylindraceum*) (in frogs).—Dies., 1850a, 368 (syn. of *Dist. cylindraceum*).—Looss, 1894a, 64 (syn. of *Dist. cylindraceum*).—Rud., 1809a, 393.
- dubia* Gœze, 1782a, 177 (= *P. alata*).
- ehrenbergii* Focke, 1836a, 191–206, pl. 17, figs. 1–19.
- festæ* Borelli, 1898, 6 pp., 2 figs., var. *albolineata*.
- filaria* Bosc, 1802a, v. 1, 261.
- flaccida* (Mueller, 1774) — —, 1776.—Bosc, 1802a, v. 1, 256.—Herbst, 1787a, 34.
- fulva* Bosc, 1802a, v. 1, 257–258.
- fusca* Fabricius, 1798, 58 (syn. *Fasc. angulata* Mueller); 1799, 151.—Bosc, 1802a, v. 1, 258.
- fuscescens* Fabricius, 1798, 58–62, pl. 11, figs. 8–10; 1799, 151.
- gasserensis* Bosc, 1802a, v. 1, 262.
- glauca* (Mueller, 1774) Herbst, 1787a, 43.—Bosc, 1802a, v. 1, 258.
- gonocephala* Ackermann, 1905, 137–139, 4 figs.
- grisea* Bosc, 1802a, v. 1, 257.
- grossa* (Mueller, 1774) — —, 1776.—Bosc, 1802a, v. 1, 260.—Herbst, 1787a, v. 1, 35.
- gulo* (Mueller, 1774) — —, 1776.—Bosc, 1802a, v. 1, 255.—Herbst, 1787a, 34.
- helluo* (Mueller, 1774) Herbst, 1787a, 35.—Bosc, 1802a, v. 1, 259.
- hirudo* Johnston, 1846a, 437, pl. 15, fig. 3.—Dies., 1850a, 473.
- ignorata* Raspail, 1902, 119–123.
- inquilina* Graff, 1904, 457 (in *Schnecken*).
- insignis* Graff, 1904, 457 (in *Schnecken*).
- intestinalis* Mueller.—Abildg., 1790, 34 (syn. of *Fasc.*).
- laclea* (Mueller, 1774) Herbst, 1787a, 34.—Baer, 1826a, 126.—Bosc, 1802a, v. 1, 258–259.—Nord., 1832a, 69.—Tasch., 1879, 36.
- lagena* Braun, 1788a, 257, pl. 10, figs. 1–3.—Dies., 1850a, 380 (syn. of *Dist. nodulosum*).—Gmelin, 1790a, 3057 (to *Fasc.*).—Looss, 1894a, 33 (syn. of *D. nod.*).—Rud., 1809a, 410, 412 (syn. of *D. nod.*).
- latiuscula* Gœze, 1782a, 169, 171.—Anacker, 1892c, 94.—Dies., 1850a, 333 (syn. of *Dist. lanceolatum*), 385 (syn. of *D. echinocephalum* Rud.).—Dunglison, 1893, 875.—Macé, 1882, 25.—Rud., 1809a, 353 (= *Fasc. hepatica*), 429 (= *Dist. falconis milvi* Rud.).—Stiles & Hass., 1898a, 88.—Stiles, 1898a, 29.—Ward, 1895, 246 (syn. of *Fasc. hep.*).
- laurentiana* Borelli, 1897, 4 pp., 1 fig.
- limuli* Graff (1879), 202–205.
- linearis* (Mueller, 1774) Herbst, 1787a, 35.—Bosc, 1802a, v. 1, 260.—Rathke, 1799, 83, 147, pl. 3, fig. 11.
- lineata* (Mueller, 1774) — —, 1776.—Bosc, 1802a, v. 1, 258.—Herbst, 1787a, 34.
- lingua* Bosc, 1802a, v. 1, 262.
- littoralis* Herbst, 1787a, 35.
- lucii* (Mueller, 1776) Gœze, 1782a, 172, pl. 14, fig. 3.—Ben., 1858a, 1861a, 100 (syn. of *D. teret.*).—Dies., 1850a, 358 (syn. of *Dist. tereticolle*).—Looss, 1894a, 5 (syn. of *D. teret.*).—Rud., 1809a, 380.—Sramek, 1901, 105 (syn. of *D. teret.*).
- lugubris* Morgan, 1901, 179–212, 14 figs; 1902, 132–139, 24 figs.

## PLANARIA—Continued.

- maculata* Leidy, 1847e, 252; 1851b (free; Philadelphia); 1904a, 11, 54 (*maculata*).—Bardeen, 1901, 351–352 (regeneration).—Curtis, 1900, 56–59, 9 figs. (anat., development of reproductive organs); 1901, 357–359 (asexual reprod.); 1902, 515–559, 11 pls. (biol., reprod. organs).—Morgan, 1898–1900, 364–397, 41 figs.; 1904, 683–695, 1 fig.—Thacher, 1902, v. 36, 633–641; 1903, 24 Feb., 115–116.
- maculata* Leidy, 1904a, 54, for *maculata*.
- marmorata* Bosc, 1802a, v. 1, 262 (free form).
- marmorosa* (Mueller, 1774) Herbst, 1787a, 35.
- melis* [Goeze, 1782a, 176, pl. 14, figs. 9–10, *Planaria* in Dachs, March].—Dies., 1850a, 381 (syn. of *Dist. trigonocephalum*).—Rud., 1809a, 415.
- midæ* (= *mydæ* renamed?) Dies., 1850a, 325 (syn. of *Monost. trigonocephalum*).—Braun, 1901b, 42.
- montenigrina* Mrazek, 1904a, 43 pp., 2 pls., 2 figs.; Montenegro.
- mutabilis* Eichwald, —, 78, pl. 9, fig. 16.—Dies., 1850a, 649.
- mydæ* Braun in Rud., 1809a, 336 (= *Monost. (Monost.) trigonocephalum* Rud., 1809).
- nigra* (Mueller, 1774) Herbst, 1787a, 33.—Bosc, 1802a, v. 1, 255.—Chiaje, 1837a, 14.
- notulata* Bosc, 1802a, v. 1, 254–255, pl. 8, figs. 7–8.
- obscura* (Mueller, 1774) —, 1776.—Bosc, 1802a, v. 1, 259.—Herbst, 1787a, 35.
- operculata* Herbst, 1787a, 36.—Bosc, 1802a, v. 1, 256.
- polychroa* Tasch., 1879, 36.
- punctata* (Mueller, 1774) Herbst, 1787a, 34 [6], 35.—Bosc, 1802a, v. 1, 255.
- pusilla* Braun, 1790a, 63–65, pl. 3, figs. 6–7 (in *Erinaceus europæus*; Europe).—Dies., 1850a, 360 (to *Dist.*).—Gmelin, 1790a, 3055 (to *Fasc.*).—Rudolphi, 1809a, 384.
- pusio* Eichwald, —, 79, pl. 9, fig. 17.—Dies., 1850a, 648.
- putorii* Gmelin, 1790a, 3053.—Dies., 1850a, 381 (syn. of *Dist. trigonocephalum*).—[Goeze, 1782a, 175, pl. 14, figs. 7–8].—Nord., 1840, 621 (syn. of *Fasc. trigonocephala*).—Rud., 1809a, 415.
- quadrangulata* Bosc, 1802a, v. 1, 257.
- radiata* (Mueller, 1774) —, 1776.—Bosc, 1802a, v. 1, 260.—Herbst, 1787a, 35.
- rosea* (Mueller, 1774) Herbst, 1787a, 34.—Bosc, 1802a, v. 1, 256.—Lamarck, 1801a, 330.
- rostrata* (Mueller, 1774) —, 1776.—Bosc, 1802a, v. 1, 259.—Herbst, 1787a, 35.
- rubra* (Mueller, 1774) —, 1776.—Bosc, 1802a, v. 1, 256.—Herbst, 1787a, 34.
- rutilans* Bosc, 1802a, v. 1, 258.
- schlosseri* Graff, 1904, 457 (in *Botryllus schlosseri*).
- simplicissima* Morgan, 1904, 385–393, 20 figs.—Stevens, 1904, 208–220, 4 pls.
- simplissima* Curtis, 1900a, 10 Apr., 447–466, pls. 31–32, figs. 1–14 (reproductive system); 1900b.
- stagnalis* (Mueller, 1774) —, 1776.—Bosc, 1802a, v. 1, 255.—Herbst, 1787a, 33.
- striata* Herbst, 1787a, 34.
- strigata* (Mueller, 1774) —, 1776.—Bosc, 1802a, v. 1, 260.—Herbst, 1787a, 35.
- strigis* (Schrank, 1788).—Fischer., 1901, 367; 1902a, 7 (= *Holost. macrocephalum*), type of *Strigea*; 1903h, 490.
- subclavata* Goeze, 1782a, 178–179, pl. 15, figs. 2–3 (t. h. *Rana*, intestine; Europe) (restricted from *Fasc. subclavata*, ore sessile, Pallas).—Ben., 1858a, 1861a, 81, 82 (to *Amphist.*).—Dies., 1850a, 318 (to *Diplodiscus*).—Nitzsch, 1819, 398 (to *Amphist.*).—Nord., 1840, 627 (to *Amphist.*).—Olfers, 1816, 45.—Rud., 1809a, 348 (to *Amphist.*).
- subulata* Herbst, 1787a, 36.—Bosc, 1802a, v. 1, 257.
- tentaculata* (Mueller, 1774) —, 1776.—Baer, 1826a, 126.—Bosc, 1802a, v. 1, 259.—Herbst, 1787a, 34.
- teres* seu *cylindrica* Goeze, 1782a, 173.—Linst., 1905, 191.—Looss, 1899b, 680.
- teres duplici poro* Goeze, 1782a, 173.—Baird, 1853a, 55 (= *Dist. trigonocephalum*).

## PLANARIA—Continued.

- terre poro simplici* Goeze, 1782a, 173, 174, pl. 14, figs. 4-6.—Baird, 1853a, 47, 55 (= *Holost. macrocephalum*).—Dies., 1850a, 312 (syn. of *Holost. variabile*), 383 (syn. of *D. echinatum*).—Rud., 1809a, 340, 418.
- terrestris* (Mueller, 1774) —, 1776.—Bosc, 1802a, v. 1, 261.—Carrière, 1879a, 29 Dec., 668.—Herbst, 1787a, 35.—Jenyns, 1869a, 25.—Lubbock, 1868a, 193-195 (in England).
- tetragona* (Mueller, 1774) —, 1776.—Bosc, 1802a, v. 1, 261.—Herbst, 1787a, 35.—Mueller, —, v. 3, 42 (= *Fasc. tetragona*) (free form).
- torva* (Mueller, 1774) Herbst, 1787a, 34.—Baer, 1826a, 126.—Ben., 1858a, 1861a, 198.—Bosc, 1802a, v. 1, 259, pl. 8, fig. 9.—Flexner, 1898, 337-346, 1 pl. (regeneration of nervous syst.).—Mont., 1888a, 44.
- truncellaris* (Mueller, 1774) —, 1776.—Herbst, 1787a, 35.
- trimellaris* Bosc, 1802a, v. 1, 262.
- truncata* Bosc, 1802a, v. 1, 262.
- truncata* Leidy, 1851 (free form; Newark, Del.); 1904a, 54.
- uncinulata* Braun, 1790a, 58-61, pl. 3, figs. 1-3 (in *Rana esculenta*; Germany).—Dies., 1850a, 412 (syn. of *Polyst. integerrimum*).—Gmelin, 1790a, 3056 (to *Fasc.*).—Rud., 1809a, 451.—Stoss., 1898, 10.
- unionicola* Graff, 1904, 457 (in *Muscheln*).
- velella* Graff, 1904, 456.
- ventricosa* Bosc, 1802a, v. 1, 257.
- vespertilionis* (Mueller, 1784).—Dies., 1850a, 387 (of Goeze, 1782a, 171, pl. 14, f. 1-2, syn. of *Distomum lima*).—Kolenati, 1857, 12.—Rud., 1809a, 427.
- viridata* Bosc, 1802a, v. 1, 258.
- viridis* Bosc, 1802a, v. 1, 256.—Herbst, 1787a, 34.

## PLANARIADÆ Mell, 1903, 191-236, 3 pls., 4 figs. (of madagassischen Subregion).

PLANARIÆ Fabricius, 1799, 151.—Blainv., 1828a, 577 (fam.).—Darwin, 1844a, 14 Oct., 241-251, pl. 5, figs. 1-4.—Faraday, 1832a, 11 Feb., 723-724; 1833a, Jan., 183-185; 1834a, 994.—de Férussac, 1821a, 90-92, pl. 116 (sp. in Brazil).—Girard, 1850a, 398-402 (embryology); 1851a, 258-273; 1851b, Jan., 41-53.—Houghton, 1870a, Sept., 255-257, figs. 1-2 (from Borneo).

## PLANARIIDÆ Pease, 1860, 37-38 (of Sandwich Islands).

PLATYASPIS Mont., 1892, Oct. 7, 205 (m. *lenoiri*).—Braun, 1893a, 888, 890, 891, 894, 896, 897, 917; 1893b, 188.—Gamb., 1896a, 73.—Kofoid, 1899a, 181, 182, 183, 184.—Looss, 1902m, 428, 429.—Nickerson, 1902, 613, 615.—Pratt, 1902, 887, 891.—Stoss., 1899, 4.

*anodontæ* Osborn, 1898, 416 (in *Unio luteolus*, *Anodonta*; Lake Chautauqua, N. Y.).—Kofoid, 1899a, 179-186 (identity with *Cotylaspis insignis*); 1899b.

*lenoiri* (Poir., 1886) Mont., 1892, Oct. 7, 205-206 (in *Tetrathyrva vaillanti*; Senegal).—Braun, 1893a, 897.—Looss, 1902m, 418, 428, 429, 783.—Nickerson, 1902, 613.

PLATYCOTYLE Ben. & Hesse, 1863; 1864, 96, 108 (m. *gurnardi*).—Braun, 1890a, 413, 498, 516, 517, 523, 534, 537, 546; 1893a, 890.—C'arf., 1895h, 918; 1896, 514.—Gamb., 1896a, 73.—Hoyle, 1890, 539.—Mont., 1888a, 8, 11, 86, 89, 100.—Pratt, 1900, 646, 651, 656, fig. 27.—Tasch., 1879, 69; 1879, 239, 248.

*gurnardi* Tasch., 1879, 248, for *gurnardi*.

*gurnardi* Ben. & Hesse, 1863, 108; 1864, 108-109, pl. 11, figs. 14-15 (in *Trigla gurnardus*).—Braun, 1890a, 418; 469, 537, 548, 552.—Pratt, 1900, 656, 657, fig. 27.—Tasch., 1879, 248 (*gurnardi*, in *Trigla gu[r]nardus*).

PLECTANOCOTYLE Dies., 1850a, 289, 420-421, 425 (m. *elliptica*).—Braun, 1890a, 413, 415, 516, 517, 523, 534, 537, 546; 1893a, 890.—Gamb., 1896a, 73.—Goldb., 1855, 19.—Hoyle, 1890, 539 (on gills of *Labrax mucronatus*).—Mont., 1888a, 11, 89, 100; 1892, Oct. 7, 213 (*Octocotylinæ*); 1899c, 1045-1053, figs. 1-12; 1903, 336 (subf. *Plectanocotylinæ*); 1905, 76-78.—Pratt, 1900, 646, 651, 656, fig. 30; 661 (on gills of marine fishes).—Tasch., 1879, 69 (of Ben. & Hesse); 1879, 239, 250 (syn. *Plectanophorus*).

1858: *Plectanophorus* Dies., 1858, 315, 382 (m. *ellipticus*).

## PLECTANOCOTYLE—Continued.

*elliptica* Dies., 1850a, 421 (t. h. *Labrax mucronatus*; loc. not given); 18—, 69, pl. 1, figs. 4–9; 1858e, 382 (to *Plectanophorus*).—Braun, 1890a, 408, 537, 548, 551.—Mont., 1905, 76.—Pratt, 1900, 656, fig. 30; 657, 661.—Tasch., 1879, 250 (in *Labrax mucronatus*).

*lorenzii* Mont., 1899, 1, 1 pl.; 1899c, 1045–1053, figs. 1–12 (on *Trigla* sp.; Rovigno); 1905, 76, 78.—Scott, 1905, 116 (syn. *Phyllocotyle gurnardi*) (in *Trigla* sp.).

*nordmanni* (Dies., 1850) Braun, 1890a, 418.—Type of Encotyllabe.

PLECTANOCOTYLINÆ Mont., 1903, 336 (f. Hexacotylidæ).

PLECTANOPHORA Dies., 1858.—Ben. & Hesse, 1864, 120.—Mont., 1888a, 84.

PLECTANOPHORUS Dies., 1858e, 315, 382 (m. ellipticus; *Plectanocotyle* renamed); 1859c, 443.—Tasch., 1879, 250 (syn. of *Plectanocotyle* Dies.).

*ellipticus* (Dies., 1850) Dies., 1858e, 382 (in *Labrax mucronatus*), type of *Plectanocotyle* 1850.—Tasch., 1879, 250 (to *Plectanocotyle*).

PLECTOBOTHRII Nord., 1840, 596.

PLEORCHIS Rail., 1896, Mar. 15, 160 (for *Polyorchis* Stoss., 1892 [not Agassiz, 1862, celenterate]; type *polyorchis*).—Pratt, 1902, 887 (related to *Fasciolinæ*). 893.—Stiles & Hass., 1898a, 92, 97 (syns.: Dist. (*Polyorchis*) Stoss., *Polyorchis* Stoss.) (type *polyorchis*).—Stoss., 1898, 30.

*cynoides* (Zed., 1800) Stoss., 1898, 31 (in *Bombinator igneus*; Triest).

*mollis* (Leidy, 1856) Stiles, 1896, 213.

*polyorchis* (Stoss., 1889) Stiles, 1896, 205.—Stoss., 1898, 30–31 (in *Corvina nigra*; Triest).

*urocotyle* Par., 1899, 6, 1 fig. (in *Scorpaena scrofa*; Portoferraio); 1902, 5 (in *Scorpaena porcus*; Portoferraio; *S. scrofa*; Elba).—Braun, 1902b, 23.—Odh., 1905, 364.

PLESIOCHORUS Looss, 1901b, 205 (m. cymbiformis); *ὁ πλεσιόχωρος*, Grenznachbar; 1901, 557, 558; 1902m, 478, 479, 480, 481, 482, 483, 484, 485, 526, 814, 844, 857 (Anaporrhutinae); 858, 859, 860, 861, 863, fig. iv.—Odh., 1901, 65, 67; 1902, 65, 67.—Pratt, 1902, 888, 901.

*cymbiformis* (Rud., 1819) Looss, 1901b, [205], 207, 209; 1901, 557, 558; 1902m, 414, 415, 417, 469–476 (includes Dist. *cymbiformis* Rud., 1819, 371; Sons., 1893, 2; Stoss., 1895, 38, pl. 4, fig. 1; Braun, 1899, 729; Looss, 1899b, 605; Phyllost. *cymbiforme* (Rud.) Braun, 1901, 1, pl. 1, fig. 1), 479, 480, 482, 788, 791 (amphitypie very common), 813, 814, 844, 857, 863, 870, pl. 23, figs. 30–36.—Odh., 1902, 68.—Reported for *Chelone mydas*, *Thalassochelys corticata*.

PLEUROCOTYLE <sup>a</sup> Gerv. & Ben., 1859b, 194 (based upon Grube, 1855a, 137) (m. scombri).—Ben. & Hesse, 1864, 96.—Brand., 1898a, [17] 209.—Braun, 1890a, 413, 414, 462, 477, 516, 517, 523, 534, 535, 546; 1893a, 890.—Cerf., 1895h, 918; 1896, 514.—Dies., 1859c, 444 (syn. of *Grubea* Dies.).—Gamb., 1896, 73.—Hoyle, 1890, 539.—Mont., 1888a, 8, 11, 48, 84, 89, 99; 1892, Oct. 7, 213 (subg. in *Octocotylinae*); 1903, 336 (*Pleurocotylinae*).—Pratt, 1900, 646, 651, 656, fig. 28.—Tasch., 1879, 69; 1879, 239, 248 (syns.: *Octobothrium*? Grube, *Tetracotyle* Grube, *Grubea* Dies.).—Ziegler, 1883, 552.—See *Grubea*.

*scombri* (of Grube, 1855) [Gerv. & Ben., 1859b, 194, does not use combination, based on Troschel's Arch., 1855, 137].—Ben. & Hesse, 1863, 100; 1864, 100 (syns.: *Octobothrium scombri* Grube, *Grubea scombri*) (in Maquereau).—Braun, 1890a, 407, 414, 418, 462, 518, 535, 548, 552.—Knoch, 1894a, 11, 12.—Lang, 1880.—Mont., 1888a, 48, 49.—Par., 1894, 549, 595, 671, 680; 1902, 3 (in *Scomber colias*, *S. scomber*, *S. sp.*; Portoferraio).—Par. & Perugia, 1890, 7.—Pratt, 1900, 656, 657, fig. 28.—Scott, 1901, 147.—Tasch., 1878, 575–577; 1879, 35; 1879, 248–249 (syns.: *Octobothrium* sc. Nord., *Tetracotyle* sc. Grube, *Grubea cochlear* Dies.) (in *Scomber scombrus*, *S. colias*; Naples).

PLEUROCOTYLIDÆ Mont., 1903, 336 (subf. *Pleurocotylinae*, g. *Pleurocotyle*).

PLEUROCOTYLINÆ Mont., 1903, 336 (f. *Pleurocotylidæ*).

PLEUROGENES Looss, 1896b, 97 (tod. claviger) (*πλεῦρα*=side; *γενάω*=procreate); 1899b, 614, 615, 616–617, 622, 623; 1901, 194; 1902m, 820, 838.—Luehe, 1899, 536; 1900, 509.—Pratt, 1902, 889, 902.—Staff., 1905, Apr. 11, 683, 684.—Stiles, 1901, [183] (*Pleuronectes*, *lapsus calami*), 185.—Stoss., 1899, 7, 10.

<sup>a</sup> Gervais & Ben. use both *Pleurocotyle* and *Pleurocotylus*, but they evidently intended the former as a French vernacular name, the latter as the Latin scientific name. Later authors apparently overlooked this fact.

## PLEUROGENES—Continued.

- arcanum* (Nickerson, 1900) Pratt, 1902, 959.—Klein, 1905, 13 (*arcana*); 1905, 71 (*arcanus*).—Staff., 1905, 683 (type of *Loxogenes*).
- betencourti* (Mont., 1893) Stoss., 1899, 10 (in *Scyllium canicula*, S. stellare; Boulogne).—Looss, 1899b, 622.
- brusinae* (Stoss., 1889, 25) Stoss., 1899, 10 (in *Oblata melanura*; Triest).—Looss, 1899, 622.—Type of *Diphtherostomum*, 1904.
- claviger* (Rud., 1819) Looss, 1899b, 569, 617; 1902m, 787, 820.—Klein, 1905, 11, 13, 17; 1905, 69.—Kowal., 1902d, [9] 27 (syns.: Dist. cl. Rud., D. neglectum Linst.): 1904, [7] 22.—Luehe, 1901, 171; 1901, 57.—Odhn., 1900, 17.—Ssinitzin, 1905, 146.—Staff., 1905, Apr. 11, 684 (type).
- confusus* (Looss, 1894) Klein, 1905, 68; 1905, 10, 11, 12, 13, 17.
- gastroporus* Luehe, 1901p, 166–171 (in *Rana cyanophlyctis* Schneider; India).—Klein, 1905, 10, 11, 13, 14; 1905, 68, 69.—Staff., 1905, Apr. 11, 684.
- glaviger* Ssinitzin, 1906, 687 (for *claviger*).
- medians* (Olss., 1876) Klein, 1905, 10, 11, 12, 13, 14, 17, 18; 1905, 68.—Looss, 1899b, 617; 1902m, 820, 824.—Luehe, 1901, 57; 1901, 171.—Odhn., 1900, 17.—Ssinitzin, 1905, 145–146; 1906, 687 (in *Agrion* and beetle larvæ; Warschau). Staff., 1905, Apr. 11, 683 (syn. of *Loxogenes arcanum*), 684, 685.—Stoss., 1900, 7–8, fig. 12 (in *Rana esculenta*; Triest); 1900, 17.
- sphaericus* Klein, 1905, 68–72, pl. 5, figs. 4–5 (in *Rana hexadactyla*; Kœnigsberg, from India); 1905, 10–14, pl. 1, fig. 5.
- tacapense* ('Sons., 1894' of Looss, 1896) Stoss., 1899, 10 (= *Proscotocus tener* [*tacapense* was a misdetermination]) (in *camaleonte*; Tunisia; Alessandria).
- tacapensis* (Sons., 1894) Looss, 1899b, 622.
- tener* (Looss, 1898) Looss, 1898, 461; 1899b, 622.—Klein, 1905, 10, 11, 12, 13; 1905, 68.
- PLEUROGENETINÆ** Looss, 1899b, 615, 623; 1902m, 839.—Luehe, 1900, 561; 1901, 171.—Odhn., 1902, 38, 42; 1902, 40.—Pratt, 1902, 889, 902 (includes: *Proscotocus*, *Pleurogenes*, *Gymnophallus*, *Lepidophyllum*).—Stoss., 1904, 198.—Ward, 1901, 185.
- PLEUROGONINÆ** Braun, 1900a, 1664, 1674.
- PLEUROGONIUS** Looss, 1901l, 567, 568, 569 (tod. *longiusculus*); 1902m, 417, 557, 564, 569, 570 (type *longiusculus*), 572, 579, 583, 588, 589, 591, 594, 595, 596, 597, 599, 603, 609, 610, 612–616.—Pratt, 1902, 890, 910.
- bilobus* Looss, 1901l, 569 (in *Chelone mydas*; Egypt); 1902m, 567–568, pl. 27, fig. 100; 569, 878, pl. 27, fig. 100.
- linearis* Looss, 1901l, 618 (in *Chelone mydas*; Egypt); 1902m, 565–567, 569, 878, pl. 27, fig. 99.
- longiusculus* Looss, 1902m, 582, misprint.
- longiusculus* Looss, 1901l, 568–569, 618 (in *Chelone mydas*; Egypt) (582 *longiusculus*); 1902m, 527, 558–561 (syn. *Monost. trigonocephalum* R. of Ben., 1859, 81, pl. 2, fig. 5; Walter, 1893, 191), pl. 27, figs. 94–98, pl. 32, figs. 176, 177; 562, 563, 564, 565, 566, 569, 570 (type of *Pleurogonius*), 588, 589, 591, 592, 596, 617, 788.
- minutissimus* Looss, 1901l, 7 Nov., 618–619 (in *Chelone mydas*; Egypt); 1902m, 568–569, pl. 27, fig. 101; 879.
- trigonocephalus* (Rud., 1809) Looss, 1901l, 567–568, 620 (in *Thalassochelys corticata*); 1902m, 416, 417, 548–558 (syns.: *Monost. trigonocephalum* Rud., 1809a, 336; 1819a, 349; Braun, 1901a, 38, pl. 2, fig. 29), pl. 26, figs. 75–78; 569, 570, 575, 588, 813, 876.—Cohn, 1904, 237.
- PLEURONECTES** Stiles, 1901, 183, lapsus calami for *Pleurogenes*.
- PNEUMONÆCES** Looss, 1902m, 732, 780, 839 (*Hæmatolæchus* Looss renamed) (type *variegatus*).—Klein, 1905, 64.—Staff., 1905, Apr. 11, 687 (syn. *Hæmatolæchus*).
- 1899: *Hæmatolæchus* Looss, 1899b, 600 (tod. *variegatus*) [not *Hæmatolæcha* Stål, 1874, hemipteron].
- asper* (Looss, 1899) Klein, 1905, 64; 1905, 6.
- breviplexus* (Staff., 1902) Staff., 1905, 687 (in lungs of American toads and frogs).—Klein, 1905, 3, 5, 6; 1905, 61.

## PNEUMONECES—Continued.

*capyristes* Klein, 1905, 60–65, pl. 5, figs. 1–2 (in *Rana hexadactyla*; from India); 1905, 2–7, pl. 1, figs. 1, 2.

*complexus* Seely, 1906, 249–252, figs. 1–2 (in *Rana pipiens*; North Carolina).

*longiplexus* (Staff., 1902) Staff., 1905, 681; 1905, Apr. 11, 687 (American frogs and toads).—Klein, 1905, 6; 1905, 64.—Seely, 1906, 249.

*medioplexus* (Staff., 1902) Staff., 1905, Apr. 11, 687 (syn. *Ostiolum formosum*) in American frogs and toads).—Klein, 1905, 3, 6; 1905, 61.—Seely, 1906, 252.

*similiplexus* (Staff., 1902) Staff., 1905, Apr. 11, 687 (in American frogs and toads).—Klein, 1905, 6; 1905, 64.—Seely, 1906, 252.

*similis* (Looss, 1899) Looss, 1902m, 762.—Klein, 1905, 2, 3, 4, 5, 6; 1905, 61.

*variegatus* (Rud., 1819) Looss, 1902m, 806.—Engler, 1904, 186.—Klein, 1905, 1, 2, 3, 4, 5, 6; 1905, 59.

*varioplexus* (Staff., 1902) Staff., 1905, Apr. 11, 687 (in American frogs and toads).—Klein, 1905, 3, 6; 1905, 61.

**PODOCOTYLE** (Duj., 1845) (tld. *angulatum* = *atomon*), see also (Podocotyle).—R. Bl., 1891, 609.—Braun, 1893a, 885, 886, 890, 909, 910; 1900h, 3.—Fil., 1857c, 9.—Jägers., 1901, 982.—Looss, 1899b, 528, 535, 538, 542, 647; 1902m, 721, 757, 764, 770, 771, 772, 827 (type *angulatum*).—Luehe, 1900u, 487–492; 1900v, 792; 1900, 562; 1901g, 42.—Mont., 1888a, 92, 105; 1892, Oct. 7, 214 (gen. of Distominae); 1893, 150, 151, 152, 153, 155, 167, 168.—Odh., 1905, 326 (type *atomon*).—Pratt, 1902, 888 (related to Opisthorchiinae), 896.—Sons., 1890, 140.—Stiles, 1901, 193, 196.—Stiles & Hass., 1898a, 92–93, 97 (syns.: ? *Schisturus* Rud., Dist. (Podocotyle) Duj.), type *angulatum*.—Stoss., 1892, 4; 1898, 24; 1902, 582.

*angulata* (Duj., 1845) Jägers., 1901, 982, see *atomon*.

*atomon* (Rud., 1802) Odhn., 1905, 320–326, pl. 2, figs. 9–10 (syns.: Fasc. at., Dist. at., D. *angulatum*, D. *simplex* Rud. of Ols., *Allocreadium* at.), type of genus.—Nicoll, 1907, 68, 69, 70, 71, 73–77, pl. 1, figs. 1–2 (syns.: *Psilost. redactum*, Dist. *simplex*) (in *Centronotus grumellus*, *Cottus bubalis*, *C. scorpius*, *Gasterosteus aculeatus*, *Gobius ruthenae* parri, *Liparis montagui*, *Motella mustella*, *Zoarces viviparus*).

*contortum* (Rud., 1819) Stoss., 1898, 24–25 (in *Orthogoriscus mola*; Trieste) [type of *Accacaelium*].—Barbagallo & Drago, 1903, 409 (in *Orthag. mola*; Catania).

*fractum* (Rud., 1819) Stoss., 1898, 26 (in *Box salpa*; Trieste).—Barbagallo & Drago, 1903, 409 (in B. s.; Catania).—Osborn, 1903, 316.—Par., 1902, 4 (in B. s.; Portoferraio).

*furcatum* (Bremser, 1819) Stoss., 1898, 26 (in *Mullus barbatus*, *M. surmuletus*, *Solea vulgaris*; Trieste); 1899, 5.—Barbagallo & Drago, 1903, 409 (in *Mullus surmuletus*, *Solea vulgaris*; Catania).—Fischder., 1903h, 548.—Jägers., 1901, 982.—Looss, 1902m, 771.—Luehe, 1900, 490, 491 (*furcata*); 1901, 475.

*macrocotyle* (Dies., 1858) Stoss., 1898, 25 (in *Orthogoriscus mola*; Trieste).—Barbagallo & Drago, 1903, 409 (in Or. *mola*; Catania).

*olssoni* Odhn., 1905, 326, 327, new name for Dist. *simplex* of Ols. (in *Gadus melanostomus*, *Lumprenus maculatus*; West Coast of Sweden).

*pachysomum* (Eysenhardt, 1829) Stoss., 1898, 27 (in *Mugil*; Trieste).—Barbagallo & Drago, 1903, 409 (in *Mugil cephalus*; Catania).

*pedicellatum* (Stoss., 1887) Stoss., 1898, 25 (in *Chrysophrys aurata*; Trieste).—Barbagallo & Drago, 1903, 409 (in Chrys. aur.; Catania).

*planci* Stoss., 1899, 5, fig. 9 (in *Ranzania truncata*; Trieste).—Looss 1902m, 637.

*reflexa* (Crep., 1825) Odhn., 1905, 324, 326–327 (in *Cyclopterus lumpus*; West Coast of Sweden).

*retroflerum* (Mol., 1861) Stoss., 1898, 26–27 (in *Belone acus*; Trieste).—Barbagallo & Drago, 1903, 409 (in Bel. ac., *Exocetus volitans*; Catania).

species of Mueller, 1897, 23–24, 26, pl. 3, fig. 8 (in *Numenius arquatus*).

**(PODOCOTYLE)** Duj., 1845a, 388, 401 (tld. *angulatum*).

*angulatum* Duj., 1845a, 386, 401–402, designated type of subg. by Stiles & Hass., 1898a, 93, (t. h. *Anguilla vulgaris* in the Morbidan).

*fractum* (Rud., 1819) Stoss., 1886, 49 (to Podocotyle by Stoss., 1898, 26).

*furcatum* (Bremser, 1819) Duj., 1845a, 402 (to Podocotyle by Stoss., 1898, 26).

## (PODOCOTYLE)—Continued.

*gibbosum* (Rud., 1802) Duj. 1845a, 402.

*macrocotyle* (Dies., 1858) Stoss., 1898, 25.

*pachysomum* (Eysenhardt, 1829) Stoss., 1886, 57 (to Podocotyle by Stoss., 1898, 27).

*perlutum* (Nord., 1832) Duj., 1845a, 387, 401 (to D. (Echinoet.) by Stoss., 1886, 62) (type of *Asymphyllodora* Looss, 1899b, 598).

*retroflexum* (Mol., 1861) Stoss., 1886, 60 (to Podocotyle by Stoss., 1898, 26).

*unicum* (Mol., 1859) Stoss., 1886, 58.

POLISTOME Mont., 1888a, 13, 34, 42 (see *Polystomeae*).

POLISTOMUM Sons., 1889, 283, for *Polystomum*.

POLYANGIUM Looss, 1902m, 584, 633, 634, 639, 642, 648, 652, 658, 667, 668, 675, 681, 684, 687-688 (tod. *linguatula*), 689, 698, 699.

*linguatula* (Looss, 1899) Looss, 1902m, 632, 688, 689, 697, 698, 885, pl. 30, fig. 145-150.

POLYCOTYLA Blainv., 1828a, 569-570 (family name).—Johnston, 1865a, 31.—Nord., 1840, 596.

POLYCOTYLE Will.-Suhm, 1870, 9 (m. *ornata*): 1871, 183.—Brand., 1888a, 33, 34, 35, 37, 58, 61; 1890a, 562, 563, 564, 567, 584.—Braun, 1892a, 581, 698, 713, 715, 717, 718, 723, 732; 1893a, 879, 881, 886, 887, 890, 892, 895, 899, 900, 901, 917; 1895b, 121, 136.—Gamb., 1896, 73.—Mont., 1888a, 10, 12, 15, 54, 90, 91, 104; 1892, Oct. 7, 196, 197, 214 (*Diplostominae*).—Pratt, 1902, 890.—Schneidmuehl, 1896, 295 (*Polykotyle*).—Tasch., 1879, 256.—Wolf, 1903, 616, 617.

1896: *Polykotyle* Schneidmuehl, 1896, 295, for *Polycotyle*.

*ornata* Will.-Suhm, 1870, 9-11 (in *Alligator lucius*; Charleston); 1871, 183-185, pl. 11, fig. 1.—Brand., 1888a, 15, 58 (in *All. luc.*); 1890a, 584-585.—Braun, 1892a, 581, 733; 1893a, 901.—Pavesi, 1881, 294.—Poir., 1886, 339-345, pl. 18, fig. 7, pl. 19, fig. 1, 3, 5, 6, pl. 20, fig. 5 (in *All. luc.*).—Reported also for *Alligator mississippiensis*.

POLYCOTYLEA Dies., 1850a, 288 (tribe), 289, 408 (tribe III of *Trematoda*, subo. II), 416 (tribe I of *Bdellidea*, subo. III); 1858c, 314 (fam. of *Trematoda cotylophora*), 367.—Brand., 1888a, 15.—Braun, 1890a, 515.—Cerf., 1899a, 351.—Goldb., 1855a, 17, 18.—Mont., 1888a, 83, 84; 1903, 336 (section, contains: *Polystomidae* Ben., 1858; *Octocotylidae* Ben. & Hesse, 1863).—Tasch., 1879, 233, 234.

POLYCOTYLEA Dies., 1839a, 234.—Cobbold, 1877, 238.

POLYCOTYLIDE Cobbold, 1877f, 326.—Braun, 1893a, 886.—Mont., 1888a, 104.

POLYCOTYLINAE Mont., 1892, Oct. 7, 214 (subf. of *Holostomidae*).—Braun, 1893a, 890, 892.

POLYKOTYLE Schneidmuehl, 1896, 295, for *Polycotyle*.

POLYORCHIS (Stoss., 1888) [nec *Polyorchis* Agassiz], renamed *Pleorchis* 1896, (type by absolute tautonymy *polyorchis*): 1892, 4; 1898, 30.—Braun, 1893a, 885, 886, 894, 909, 911; 1895b, 138; 1901b, 54.—Looss, 1894a, 174; 1896b, 59; 1902m, 846.—Mont., 1893, 148, 149, 150, 151, 154.—Ofenheim, 1900, 160.—Rail., 1896, 160 (= *Pleorchis*).—Sons., 1890, 134, 135.—Stiles & Hass., 1898a, 92 (syn. of *Pleorchis*).

*formosum* (Sons., 1890) Stoss., 1892, 143 (in *Grus cinerea*; Pisa).

*molle* (Leidy, 1856) Mont., 1896, 166.

*polyorchis* (Stoss., 1889) Mont., 1896, 166.

(POLYORCHIS) Stoss., (1888), subg. of *Dist.* [type *polyorchis*].

*cygnoides* (Zed., 1800) Stoss, 1889, 60.

*molle* (Leidy, 1856) Stiles & Hass., 1894h, 162-163, fig. 2; 1895a, 737-741, pl. 3, figs. 1-3.

*ragazzii* Setti, 1897, 8 (type of *Synecelium* Looss, 1899).

POLYSARCA Looss, 1899b, 561 (tod. *westermanni*) [nec *Polysarcus* Fieb., 1853, orthopteron; Sauss., 1859, orthopteron; Lefèvre, 1876, coleopteron; *Polysarca* Schin, 1866, dipteron]; 1900, 605.—Braun, 1900h, 6; 1901c, 329 (= *Paragonimus*).—Luehe, 1900, 557.—Stiles, 1901, 189.—See *Paragonimus*.

*westermanni* (Leuck., 1889) Looss, 1899b, 561.

POLYSSICHIA Cosmovici, 1887 (contains *Aspidogaster*, *Diplozoon*, *Diporpa*, *Gyrodactylus*, *Octobothrium*, *Polyst.*).—Mont., 1888a, 84.



**POLYSTOMA** Zed., 1800a, xviii, 199–203 (nec Polyst. Steph. Col., 1835), includes *Linguatula serrata* Frölich, *Hexathyridium pinguicola* Treutler, 1793 (type was clearly intended to be *Planaria uncinulata* = Polyst. ranæ; name Polyst. was in MS. in 1788 based on this species, see Zed., 1803a, 223).—Andral, 1829d, 617.—Audouin, 1828b, 193.—Baer, 1826a, 126.—Ben., 1858a, 1861a, 11 (*Polystomum*).—Ben. & Hesse, 1864, 61.—E. Bl., 1847, 331.—R. Bl., 1888a, 312 (*Polystomes*).—Brand., 1891d, 9.—Braun, 1883a, 50; 1889k, 620, 621; 1890a, 413, 416, 424, 433, 435, 451, 454, 470, 479, 480, 481, 483, 487, 490, 491, 492, 493, 496, 498, 504, 511, 514, 515, 516, 517, 522, 523, 538, 546; 1890b, 125, 127, 128; 1890c, 597; 1891d, 421; 1892a, 753; 1893a, 890, 891.—Brem., 1824, 135.—Burm., 1837a, 530; 1856a, 251.—Carus, 1863, 478.—Cerf., 1899a, 348, 350, 351, 359, 371.—delle Chiaje, 1833, 13; 1835b, 76–90; 1837a, 5–19 (*Polistoma* in blood of man); 1837b, 245–246; 1843b, 51.—Cobbold, 1866, 7; 1877, 238; 1879b, 41.—Cosmovici, 1887a, 129.—Crep., 1839, 290.—Cuvier, 1817, 42.—Deslongchamps, 1824mm, 648–650; 1828d, 192–193.—Dies., 1839, 234; 1850a, 288, 409 (syn. of *Hexathyridium*), 412–413 (includes: *Plan. Braun*, *Linguatula Frölich*, *Fasc. Gmelin*, *Hexathyridium Blainv.*), 416 (of Delaroche, syn. of *Plagiopeltis*), 419 (of Kuhn, syn. of *Onchocotyle*), 420 (of delle Chiaje, syn. of *Solenocotyle*), 421 (of Duj., syn. of *Diclibothrium*), 609 (of Rud., pars syn. of *Pentast.*); 1858e, 314, 371–372 (only species *integerrimum*).—Duj., 1845a, 318.—Eichwald, 1829a, 249.—Eiss, 1838, 21.—Fischer, 1840, 159.—Gamb., 1896a, 57, 59, 73.—Goldb., 1855, 17.—Goldschmidt, 1902e, 874.—Goto, 1891a, 174, 183, 185, 187.—Hahn, 1900a, 174–175.—Haswell, 1892a, 458; 1892b, 149; 1893e, 112, 144.—Hémont, 1827, 9.—L'Herminier, 1826, 10.—Hoyle, 1890, 535–537, 539 (two species; best known *P. integerrimum*; *Hexathyridium* is probably a synonym).—Jackson, 1888, 644, 646, 647, 654.—Joy, 1835a, 504.—Jucl, 1889, 33.—Kath., 1894a, 130, 148.—Lamarck, 1816b, 175–176.—Leuck., 1863a, 450, 527.—Looss, 1892a, 72, 73, 95; 1893b, 810.—Mayer, 1841a, 20.—Minarich, 1832, 14.—Mont., 1888a, 8, 9, 11, 13, 14, 29, 37, 38, 40, 42, 44, 53 (*Polystomum*), 54, 56, 57, 58, 59, 60, 63, 64, 66, 67, 70, 83, 84, 86, 89, 100; 1892, 109; 1892, Oct. 7, 186, 213 (gen. of *Polystominae*); 1893, 110; 1903, 336 (subf. *Polystominae*).—Moul., 1856a, 10, 11.—Nord., 1832a, 60, 69; 1840, 544, 592, 593, 596–597.—Olfers, 1816, 22, 41.—Pag., 1857, 52.—Pintner, 1891, 727.—Pratt, 1900, 645, 646, 647, 650, 656, 659, fig. 23.—Rafinesque, 1815, 151 (syn. of *Hexathyridia*).—Rud., 1809a, 6, 22–23, 38, 441, pl. 6, figs. 1–6; 1819a, 125, 435–436, 584.—St.-Remy, 1898, 558.—Schneider, 1866, 334.—Slawikowski, 1819, 70.—Stoss., 1898a, 10, 11.—Tasch., 1879, 43, 50, 58, 62, 64, 69; 1879, 232, 233, 251–252 (syns.: *Hexathyridium Blainv.*, *Planaria Braun*, *Linguatula Frölich*, *Fasc. Gmelin*).—Wagener, 1857, 50, 72.—Wallenstedt, 1847, 7.—Zeller, 1876, 23 June, 238–274, pls. 17–18.

—: *Polystomum*.

1837: *Polistoma delle Chiaje*, 1837a, 5–19, for *Polystoma*.

1888: *Polystomnm* Mont., 1888a, 53, misprint.

— of Kuhn, 1829c; 1830a; 1830b, 185–187 (in *Squalus catulus*).—Tasch., 1879, 252 (syn. of *Onchocotyle* Dies.)

— of Duj., 1845a, 319.—Tasch., 1879, 254 (syn. of *Diplobothrium* Leuck.).

— Delaroche, 1811, 271–272 [n. g.] (type species *thynni*).—Audouin, 1828b, 193 (?syn. of *Polyst. duplicatum*).—Blainv., 1824a, 514 (“*M. de Lamarck a adopté ce genre de Delaroche; il est établi sur un animal de la famille des sanguines, suivant nous*”), 515.—Rafinesque, 1815, 151 (renamed *Hexost.*).—Tasch., 1879, 249 (syn. of *Hexacotyle* Blainv.).—See *Polyst. thynni*, p. 353.

*appendiculatum* Kuhn, (1829c), 460–463, pl. 11, figs. 1–3 (t. h. *Squalus catulus*); (1829), 342.—Ben., 1858a, 1861a, 54, 55 (to *Onchocotyle*), 191, 192.—Bl., 1847, 336 (of Nord.).—Cerf., 1899a, 349, 350, 351, 352–356, 359, 373, 375, 378 (in *Mustelus laevis*, *M. vulgaris*, *Scyllium catulus*), 434.—Cobbold, 1872b, 90; 1879b, 41.—Crep., 1838, 84; 1839, 290.—Dies., 1850a, 419 (to *Onchocotyle* as type); 1858e, 371 (to *Onchocotyle*).—Duj., 1845a, 321.—Goto, 1894a, 222 (Japan).—Nord., 1832a, 80–82, pl. 5, figs. 6–7 (in *Squalus catulus*); 1840, 601 (to *Hexabothrium*).—Scott, A., 1901, 344 (to *Onchocotyle*).—Tasch., 1879, 27, 28 (to *Onchocotyle*); 1879, 253.—Thaer, 1850, 602–630, pl. 20–22, figs. 1–45; 1851, 34 pp., pls. 1–3.

*armatum* (Leuck., 1835) Duj., 1845a, 319 (to *Polyst. (Hexacotyle)*).—E. Bl., 1847, 335.—Dies., 1850a, 421 (to *Diclibothrium*).—Tasch., 1879, 254 (to *Diplobothrium*).—Type of *Diclibothrium* 1835.

*borealis* (Ben., 1853) Wagener, 1857, 72.—Cerf., 1899a, 359, 377.—Dies., 1858e, 371 (to *Onchocotyle*).—St.-Remy, 1890, 41.

## POLYSTOMA—Continued.

- coronatum* Leidy, 1888, 127 (in terrapin; eastern U. S. A.); 1904a, 213.—Braun, 1890a, 511, 538, 548, 552 (in *Cistudo carolina*).—Pratt, 1900, 659.
- denticulatum* (Rud., 1805) Rud., 1808a, 180; 1809a, 447–449, pl. 12, fig. 7 (to Polyst. (Pentast.)) (in *Capra americana*, *C. hircus*).—R. Bl., 1890a, 264.—Dies., 1850a, 615 (to Pentast.).—Olfers, 1816, 42.
- duplicatum* Rud., 1819a, 125, 438–439, pl. 2, fig. 6 (*P. thynni* Delaroche, 1811, renamed) (in *Scomber thynnus*; Balearic Isles).—Audouin, 1828, 193.—Crep., 1839, 290.—Deslongchamps, 1828d, 193.—Dies., 1850a, 417 (to *Plagiopeltis* as type) in *Thynnus brachypterus*.—Duj., 1845a, 318–319 to Polyst. (Hexacotyle).—Kroyer, 1838–40a, 251, 596 (in *Thynnus vulgaris* Cuv.).—Nord., 1832a, 62; 1840, 598 (syn. of *P. thynni*).—Tasch., 1879, 250 (syn. of *Hexacotyle thynni*).
- hassalli* Goto, 1895, 352 (in *Kinosternon pennsylvanicum*; Maryland); 1899, 276–278, pl. 21, figs. 16, 17.—Pratt, 1900, 656, fig. 23; 657, 659.—St.-Remy, 1898, 558.
- integerrimum* (Froelich, 1791) Rud., 1808a, xxv, pl. 6, figs. 1–6; 1809a, 451–455, pl. 6, figs. 1–6, to *P. (Hexastoma)* (includes: *Planaria uncinulata* Braun, 1792; *Linguatula integerrima*, 1791; *Fasc. uncinulata*, 1790, *Polystoma ranæ*, 1800; *Linguatula integerrimum*); 1819a, 125 (in *Rana temporaria*; *Gryphæ*, Jun.; *R. esculenta*, *Bufo variabilis*).—Baer, 1826a, 126; 1827a, 680–689, pl. 32, figs. 7–9.—Ben., 1858a, 1861a, 54, 169, 171, 172, 196; 1870c, 140.—Ben. & Hesse, 1864, 84–87, 1 fig. (*integerrimum*).—Bettend., 1897a, 4; 1897, 308.—E. Bl., 1847, 331–334, pl. 14, fig. 3.—Braun, 1883a, 41, 44, 48, 49, 51, 56, 71, fig. 10; 1889k, 621; 1890a, 407, 408, 410, 415, 419, 421, 424, 426, 428, 430, 433, 436, 439, 442, 445, 449, 453, 454, 455, 456, 458, 461, 464, 465, 468, 471, 472, 475, 480, 482, 483, 487, 490, 491, 492, 493, 494, 495, 497, 499, 500, 501, 503, 511, 512, 538, 548, 552; 1890d, 568; 1890e, 596; 1891a, 52, 53, 54; 1892a, 753; 1894a, 1160; 1895b, 125, 130, fig. 42; 1906, 131, fig. 66 (in frog).—Bremser, 1824c, pl. 10, fig. 26.—Civinini, 1842.—Cobbold, 1858, 162; 1879b, 452.—Crep., 1837, 322; 1839, 290.—Deslongchamps, 1828a, 193.—Dies., 1850a, 412–413 (syns.: *Plan. uncinulata* Braun, *Linguatula integ.*, *Fasc. uncinata* Gmelin, *Polyst. ranæ* Zed., *Hexathyridium integ.* Blainv.); 1858c, 372 (only species) (in *Rana platyrhinus*).—Duj., 1845a, 320.—Eichwald, 1829a, 249.—Fraip., 1880a, 400; 1880c, 433; 1883a, 36.—Gamb., 1896a, 55, 58–59, figs. 24, 26.—Goldschmidt, 1902a, 397–444, pls. 22–24, figs. 1–40 (embryology); 1902b, July, 398–399; 1902c, 180–189, figs. 1–11 (development); 1902d, 736; 1902e, 874; 1905, July, 64–65.—Goto, 1891a, 184.—Halpin, 1901a, 291–363, pls. 10–14 (embryology); 1902a, 395–398; 1904a, 444.—Hoyle, 1890, 537–539, fig. 3 B.—Ijima, 1884c, 635–639.—Jackson, 1888, 643, 644, 645, 646, 648–649, 650 (in *Rana temporaria*, *R. esculenta*, *Bufo viridis*).—Janicki, 1903a, 241 ff.—Juel, 1889, 14.—Kath., 1894a, 132, 141, 142, 146, 152.—Kerbert, 1881a, 535, 554, 556, 572.—Kholodk., 1899a, 148, fig. 175.—Knoch, 1862, 101.—Kowal., 1895, 372–390, pl. 8, figs. 11–13; 1896d (2), 252 (in *Rana fusca*; *Dublany*); 1904, (9), 24 (in *Rana temporaria*; *Dublany*).—Lejtenyi, 1881a, 3.—Leuck., 1879, 26, 52; 1886d, 19, 40.—Linst., 1903, 279.—Looss, 1885b, 17, 18, 19, 21, 24.—Macé, 1882a, 26, 29, 78.—Mayer, 1841a, 26, 34.—Mont., 1888a, 10, 18, 39, 44, 58, 59, 70; 1892, Oct. 7, 186; 1893, 110, 111.—Much., 1898, 11, 17–18.—Nord., 1832a, 62, 79; 1840, 546, 601.—Olfers, 1816, 42.—Pag., 1857, 47–49, pl. 6, figs. 10–13 (in *braunen Frösche*).—Par., 1894, 471.—Pégot, 1900, 162–164.—Pintner, 1891, 727, 728.—Polonio —.—Sieb., 1835, 70.—Sons., 1893, 187 (in *Bufo viridis* Laur.).—Stieda, 1870, 675; 1871, Jan., 660–678, pl. 15, figs. 1–12.—Stoss., 1889, 29; 1898, 10–11.—Tasch., 1879, 33, 35, 43, 55, 56, 58, 60, 61; 1879, 252 (in *Rana temporaria*, *R. esculenta*, *Bufo viridis*).—Walter, 1866, 65.—Will.-Suhm, 1871, 181–185; 1872, 22 March, 29–39, pl.—Zeller, 1872, v. 22 (1), 1–24, pls. 1–2; 1872, 25–28, pl. 3, figs. 1–12; 1872, Sept., 99–112; 1873, 51–55.—Woodland, 1904, 404–405, 1 fig.—Reported also for *Rana fusca*, *Hyla viridis*.
- integerrimum* Ben. & Hesse, 1864, 84–87, 1 fig. (see *integerrimum*).—Pégot, 1900, 162–164.
- loliginis delle Chiaje*, 1823, pl. 92, fig. 2 (in *Loligo vulgaris*; Naples).—Ben. & Hesse, 1864, 84.—Braun, 1890a, 518.—Dies., 1850a, 420 (syn. of *Solenocotyle chiajei*, type of *Solen.*).—Mont., 1888a, 89.—Tasch., 1879, 250.
- midas* Kuhl & van Hasselt, (1824).—Baird, 1853a, 41 (= *P. ocellatum* Rud.).—Nord., 1840, 600.

## POLYSTOMA—Continued.

- mydæ* Kuhl & van Hasselt, (1822), 113; 1824a, 310.—Crep., 1846, 146.—Dies., 1850a, 413 (syn. of *P. ocellatum* Rud.).—Tasch., 1879, 252 (syn. of *P. ocellatum*).—Reported for *Chelonia mydas*.
- oblongum* Mont., 1888a, 57 (for oblongum).
- oblongum* R. Wright, 1879, 12-15, pl. 1, figs. 9-11 (in *Aromochelys (Sternotherus) odoratus*; Toronto).—Braun, 1890a, 511, 538, 548, 552.—Goto, 1899, 277, pl. 21, fig. 18.—Leidy, 1888, 127.—Mont., 1888a, 57 (oblongum).—Pratt, 1900, 659.—Staff., 1900, 405, 414; 1902, 483 (in *Chelydra serpentina*); 1905, Apr. 11, 690 (in *Chrysemys picta*; *Chel. serp.*; Canada).—Reported for *Sternotherus odoratus*.
- ocellatum* Rud., 1819a, 125, 436-437 (in *Testudo orbicularis*; Arimini).—Ben. & Heese, 1864, 84.—Blainv., 1828, 571, to *Hexacotyla*.—E. Bl., 1847, 335-336.—Braun, 1890a, 418, 434, 439, 440, 452, 453, 465, 472, 477, 494, 506, 511, 538, 548, 552; 1891a, 52, 54; 1891d, 421; 1892a, 637; 1893b, 179, 185 (in *Emys europæa*).—Crep., 1838, 84; 1839, 290.—Deslongchamps, 1828d, 193.—Dies., 1850a, 413 (syns. *P. mydæ*, *Hexacotyle oc.*).—Duj., 1845a, 319-320.—Gamb., 1896, 59.—Giebel, 1857, 266.—Goto, 1891a, 183.—Ijima, 1884c, 636, 638.—Jackson, 1888, 649, 650.—Leidy, 1888, 127.—Looss, 1885b, 21, 22, 24, pl. 23, fig. 19.—Macé, 1882a, 26.—Mont., 1888a, 18, 58; 1892, Oct. 7, 186; 1893, 110, 111.—Nord., 1840, 600 (syn. of *Hexacotyle oc.*).—Par., 1894.—Sons., 1889, 283 (*Polistomum*); 1893, 183 (in *Emys lutaria*).—Stoess., 1890, 51.—Tasch., 1879, 252 (syns. *P. mydæ*, *Hexacotyle oc.*) (in *Emys europæa*, *Halichelys atra*).—Reported also for *Cistudo europæa*.
- pinguicola* (Treutler, 1793) Zed., 1800a, 203 [type of *Hexathyridium* 1793].—Boele, 1828a, 33.—Bremser, 1819a, 233, pl. 4, figs. 15-17; 1824, 135, 272-280, pl. 9, fig. 2.—delle Chiaje, 1833, 13-14, 117-118, pl. 2, fig. 14.—Cobbold, 1866, 7; 1876, 211.—Crep., 1839, 290.—Deslongchamps, 1828d, 193.—Dies., 1850a, 410 (to *Hexathyridium*).—Duj., 1845a, 319.—Dunghison, 1893, 821, 900.—Eichwald, 1829a, 249.—Eiss, 1838, 21.—Hémont, 1827, 17.—L'Herminier, 1826, 14.—Joy, 1835a, 504, 519.—Kuech., 1855, 464.—Lundborg, 1817, 8.—Mlinarich, 1832, 14.—Nord., 1840, 594 (to *Linguatula*), 601.—Olfers, 1816, 42.—Prunèyre, 1823, 7.—Puettner, 1837, 4.—Rud., 1809a, 455-456, to *P. (Hexast.)*; 1819a, 125, 437-438.—Sjöbeck, 1830, 10.—Slawikowski, 1819, 23, 25, 70, 141.
- pinguiculum* Joy, 1835a, 505, for *pinguicola*.
- proboscideum* Rud., 1814a, 106-107 (*Echinorhynchus crotali* Humboldt, 1808, renamed), to *P. (Pentast.)*.—Dies., 1850a, 612 (to *Pentast.*).—Leidy, 1852, 97.—Nord., 1840, 645 (syn. of *Poroccephalus crotali*, type of *Poroc.*).—Olfers, 1816, 42. Now an arachnoid.
- rana* Zed., 1800a, xviii, 203, 204-205, pl. 4, figs. 1-3 (in *Rana temporaria*; bladder, Europe) (includes *Plan. uncinulata* Braun, 1790, from *Rana esculenta*; Europe); 1803a.—Dies., 1850a, 412 (syn. of *P. integerrimum*).—Rud., 1809a, 451, 452 (= *P. integerrimum*).—Stoess., 1898, 10.
- sanguicola* delle Chiaje, 1833, 14 (*venarum*, renamed), 118; 1834, —; 1837a, 5-19.—Cobbold, 1876, 211.—Dav., 1877a, 334.—Dies., 1850a, 410 (syn. of *Hexathyridium venarum*).—Dolley, 1894a, 1006.—Dunghison, 1893, 821, 900.—Marcacci, 1843a.
- sanguineum* delle Chiaje, 1837b, 245 (based on 1837a) (in *Homo*).—Crep., 1839, 290.—Eiss, 1838, 21.—Leuck., 1863a, 585.—Moniez, 1896, 108.—Sieb., 1839, 164.
- scymni ainosi* Dies., 1858e, 371 (to *Onchocotyle*) based on Wagener, v. 13, 72.—Cerf., 1899a, 360.
- serratum* (Frölich, 1889) Zed., 1800a, 203 [type of *Linguatula*, 1789]; 1803a, 230.—Blainv., 1824a, 514 (type of *tétragule*).—Dies., 1850a, 616 (to *Pentast.*).—Nord., 1840, 594 (to *Linguatula*).—Olfers, 1816, 42.—Risso, 1826, 263.—Rud., 1809a, 449-451 to *P. (Pentast.)*; 1819a, 124 (= *Pentast. serratum*).—Reported for *Lepus timidus*.
- tænioides* Nord., 1840, 595, for *tænioides*.
- tænioides* Rud., 1809a, 441-447, pl. 12, figs. 8-12 (*Tænia rhinaria* Pilger, 1802, renamed), to *P. (Pentast.)* (in *Equus cab.*, *Canis fam.*; France); 1810a, 256; 1814a, 107.—Anacker, 1890m, 506.—Blainv., 1824a, 513 (type of "prionoderme").—R. Bl., —, 261.—Braun, 1903, 3. ed., 337 (syn. of *Linguatula rhinaria*).—Dies., 1850a, 610 (to *Pentast.*).—Nord., 1840, 595 (*tænioides*, to *Linguatula*).—Olfers, 1816, 42.

## POLYSTOMA—Continued.

*thynni* Delaroché, 1811, 271–272, pl. 2, fig. 3 (in *Scomber thynnus*; Maroquet).—Blainv., 1828a, 571 (type of *Hexacotyla*).—E. Bl., 1847, 335.—Crep., 1838, 84.—Dies., 1850a, 417 (syn. of *Plagiopeltis duplicata*, type of Pl.).—Lamarck, 1816b, 176.—Nord., 1832a, 62; 1840, 597–598 (syns.: *Hexacotyle thynni*, *P. duplicatum*), 600.—Risso, 1826, 263.—Tasch., 1879, 250 (syn. of *Hexacotyle thynni*).

*uncinatum* Macé, (1880a).—Braun, 1890a, 511, 538, 548, 552.—Stoss., 1898, 10 (in *Rana temporaria*; France).

*uncinulatum* Macé.—Braun, 1890a, 418, for *uncinatum*.

*venarum* (Treutler, 1793) Zed., 1803a, 231.—delle Chiaje, (1834a) 1833, 14–15, 118–119, pl. 2, fig. 15.—Cobbold, 1866, 7.—Crep., 1839, 290.—Dies., 1850a, 410.—Dunglison, 1893, 821, 900.—Hémont, 1827, 16.—Moniez, 1896, 108.—Olfers, 1816, 42.—Rud., 1809a, 456–457; 1819a, 136.—Slawikowski, 1819, 24, 70.—Reported for *Homo*.

## POLYSTOMA (HEXACOTYLE) Duj., 1845a, 318–319.

*armatum* (Leuck., 1835) Duj., 1845a, 319.—Type of *Diclibothrium*, 1835.

*duplicatum* (Rud., 1819) Duj., 1845a, 318–319 (to *Plagiopeltis* as type by Dies., 1850a, 417).

## POLYSTOMA (HEXAST.).

*integerrimum* (Frœlich, 1791) Rud., 1809a, 451–455.

*pinguicola* (Treutler, 1793) Rud., 1809a, 455–456.

## POLYSTOMA (PENTASTOMA).

*denticulatum* (Rud., 1805) Rud., 1809a, 447–449, pl. 13, fig. 7 (to Pentast. by Rud., 1819a, 124, 423).

*proboasceidum* Rud., 1814a, 106–107 (type of *Porocephalus*; *Echinorhynchus crotali* Humboldt, 1808, renamed) (to Pentast. by Rud., 1819a, 124).

*scratum* (Frœlich, 1789) Rud., 1809a, 449–451 (to Pentast. by Rud., 1819a, 124).

*tenioides* Rud., 1809a, 441–447, pl. 11, figs. 8–12 (in *Canis familiaris*; France) (*Tenia rhinaria* Pilger, 1802, renamed) (to Pentast. by Rud., 1819a, 123).

POLYSTOMATA Zed., 1800a, 203, plural of *Polystoma*.

## POLYSTOMATIDÆ Gamb., 1896a, 53, 55, 73.—Scott, 1901, 141, 145.

## POLYSTOMATINÆ Gamb., 1896a, 73.

## POLYSTOMEA Ben.—Braun, 1890a, 516.—Olss., 1893, 4.

POLYSTOMEÆ Leuck.—Braun, 1883a, 40, 58; 1890a, 516, 517, 523, 524, 532; 1890b, 127.—Cerf., 1894, 948; 1895c, 523 (of Tasch.); 1895h, 914, 919; 1896, 500, 509, 515; 1898b, 361; 1899a, 365, 452 (of Tasch.).—Haswell, 1892a, 457.—Hoyle, 1890, 539 (includes *Octobothriidæ*, *Polystomidæ*, *Microcotylidæ*, *Gyrodactylidæ*).—Jackson, 1888, 642, 644, 646, 654 (includes same as Hoyle).—MacLaren, 1904, 598.—Mont., 1888a, 7, 10, 11, 13, 15, 16, 18, 20, 26, 27, 28, 31, 32, 34, 36, 37, 38, 41, 47, 48, 50, 53, 54, 56, 66, 67, 70, 84, 86, 87, 88, 90, 96, 98, 107, 108; 1888a, 16, 34, 42 (*Polistomeæ*); 1891, 108.—Par., —. Par. & Perugia, 1890, 6; 1890, 225–242; 1891, Mar. 7, 319.—Schneidemuehl, 1896, 296.—Sons., 1890, 175.—Tasch., 1879, 33, 56, 57, 68; 1879, 234, 235, 236–237, 238.

1888: *Polistomeæ* Mont., 1888a, 16, for *Polystomeæ*.

POLYSTOMES R. Bl., 1888a, 312, French word, see *Polystoma*.

POLYSTOMIDÆ Cunningham, 1884a, June 12, 399.—Hoyle, 1890, 539 (includes *Polyst.*, *Onchocotyle*, *Erpocotyle*, *Diplobothrium*).—Jackson, 1888, 654 (includes *Polyst.*, *Onchocotyle*).—Pratt, 1900, 646 (of Tasch.) (includes *Polystominæ*, *Octocotylinæ*, *Microcotylinæ*).—Scott, T., 1901, 141.

POLYSTOMIDÆ Braun, 1890a, 511, 516, 517, 523, 533, 538; 1893a, 890.—Carus, 1863, 477.—Cobbold, 1879b, 4.—Cunningham, 1884, 399; 1887a, 279.—Leuck., 1886d, 117.—Mont., 1888a, 8, 11, 13, 15, 16, 18, 20, 30, 34, 37, 52, 66, 70, 86, 89, 91, 100, 108; 1888a, 16, 88 (*Polistomidæ*), 89 (*Polystomidæ*); 1892, Oct. 7, 198, 213 (f. of *Eterocotylea*, containing subf. *Polystominæ* Ben., *Octocotylinæ* Ben. & Hesse, *Microcotylinæ* Tasch.); 1903, 336 of Ben. & Hesse, 1858 (subf. *Polystominæ* (g. *Polystomum*)).—Par. & Per., 1889, 742; 1890, 7.—Poir., 1886, 345.—St.-Remy, 1898, 522, 523, 544.—Schneidemuehl, 1896, 296.—Stoss., 1898, 10.—Tasch., 1879, 69; 1879, 235, 237, 251.

1888: *Polistomidæ* Mont., 1888a, 16, 88, for *Polystomidæ*.

1888: *Polystomidaes* Mont., 1888a, 89, typographical error.

8588—No. 37—08—23

- POLYSTOMIDEA** Mont., 1888a, 84.
- POLYSTOMIDES** Mont., 1888a, 86.—Tasch., 1879, 235.—R. Bl., 1888a, 541 (embraced in subo. Polystomiens).
- POLYSTOMIENS** [French] R. Bl., 1888a, 541 (suborder, includes: Tristomidés, Polystomidés, Gyrodactylidés).
- POLYSTOMINÆ** Pratt, 1900, 646, 650 (of Ben.) (includes Polyst., Erpocotyle, Onchocotyle, Diplobothrium, Sphyranura).
- POLYSTOMINÆ** Ben.—Braun, 1893a, 890.—Mont., 1892, Oct. 7, 213 (subf. of Polystomidæ); 1903, 336 (new subf. of Polystomidæ).—St.-Remy, 1898, 558.
- POLYSTOMIS** Crep., 1838, dative of Polyst.
- POLYSTOMNM** Mont., 1888a, 53, misprint for Polystomum.
- PROBOLITREMA** Looss, 1902m, 855, 857 (in subf. Anaporrhutinae), 858, 859, 860, 863 (diagnosis), fig. 6 (tod. ricchiardii).
- capense* Looss, 1902m, 855, 857, 863, "Anaporrhutum ricchiardii Lopez" of Ofenh., renamed.
- ricchiardii* (Lopez, 1888) Looss, 1902m, 855, 857, 863 (ricchiardii, misprint for ricchiardii).
- PROGONUS** Looss, 1899b, 643 (tod. mülleri) (ὁ πρόγονος=ancestor) [not Progona Berg, 1882, insect]; 1900, 602, 603; 1901, 208; 1902m, 732 (renamed Genarches).—Fuhrmann, 1904, 61.—Luehe, 1901, 481, 486.—Pratt, 1902, 889, 905.—Stiles, 1901, 189.
- mülleri* (Levin., 1881) Looss, 1899b, 643; 1902m, 732, type of Genarches, 1902.—Luehe, 1901, 481.
- PRONOCEPHACUS** Braun, 1901b, 50, lapsus for Pronocephalus.
- PRONOCEPHALIDÆ** Looss, 1902m, 527, 580–617, 843 (includes: Charaxicephalus Looss, type robustus; Pyelosomum Looss, type cochlear; Cricocephalus Looss, type albus; Epibathra Looss, type crassa; Adenogaster Looss, type serialis; Pronocephalus Looss, type obliquus; Glyphicephalus Looss, type solidus; Pleurogonius Looss, type longiusculus), 611–612 (key to genera), 611 diagnosis.
- PRONOCEPHALINÆ** Looss, 1899b, 665, 668; 1902m, 841.—Braun, 1901b, 50, 53.—Pratt, 1902, 890, 909 (includes: Pronocephalus, Pleurogonius, Glyphicephalus, Adenogaster, Cricocephalus, Pyelosomum; related genus: Charaxicephalus).
- PRONOCEPHALUS** Looss, 1899b, 551, 666 (ὁ πρόων=Vorsprung) (tod. "trigonocephalus Rud." [=obliquus, 1901]); 1901, 209; 1901, 567, 620; 1902m, 455, 531, 546, 551, 552, 570, 576, 583, 586, 594, 595, 596, 598, 599, 600, 603, 604, 609, 612, 615–616.—Braun, 1901b, 41.—Pratt, 1902, 890, 909.
- 1901: Pronocephalus Braun, 1901b, 50, misprint.
- obliquus* Looss, 1901, 30. Okt., 566–567 ("trigonocephalus (Rud.)" of Looss, 1899b, 666, 756, figs. 84–86); 1902m, 527–532, pl. 25, figs. 55–56; pl. 26, fig. 70; pl. 32, fig. 175; 616 (includes "Monost. trigonocephalum" of Braun, 1901, 40).
- "*trigonocephalus* (Rud., 1809)" Looss, 1899b, 666, 756–759, 760, 761, 762, figs. 84, 85, 86; 1901, 566 (renamed obliquus); 1902m, 527 (syn. of P. obliquus), 549 (of Rudolphi to Pleurogonius), see Looss, 1901, 567.—Braun, 1901b, 38, 40.—Shipley, 1900, 533 (Rud.).
- PRONOPIHARYNX** Cohn, 1904, 239–240 (tod. nematoides).
- nematoides* Cohn, 1904, 238–240, fig. 5 (in Aquila albicilla; Coll. Creplin).
- PRONOPYGE** Looss, 1899b, 641–642 (ὁ πρόων=Vorsprung; ἡ πύγη=der Hintere) (tod. ocreata); 1902m, 839.—Luehe, 1901, 481, 485.—Pratt, 1902, 889, 906.
- ocreata* (Rud., 1802) Looss, 1899b, 641–642.—Luehe, 1901, 400, 481.—See Dist. carolinæ.
- PROSORHYNCHUS** Odhn., 1905, 296, 297–305 (tod. squamatus).
- aculeatus* Odhn., 1905, 297, 302, 305 (syns. Gasterost. crucibulum Ben., 1870; G. armatum Ols., 1876) (in Conger vulgaris; Mediterranean, Belgium, Sweden).
- crucibulum* (Rud., 1819) Odhn., 1905, 297, 305 (syns. Monost. crucibulum Rud.=Gasterost. armatum Mol.=G. crucibulum Ols.) (in Conger sp.; Mittelmeer, Sweden).

## PROSORHYNCHUS—Continued.

*aquamatus* Odhn., 1905, 297–304, 305, pl. 2, figs. 1–5 (syn. *Gasterost. armatum* Mol. of Levensen) (in int. of *Cottus scorpius*; Belgium).—Nicoll, 1907, 70–71 (in *Cottus bubalis*, *Liparis montagui*).

PROSOTOMATA Odhn., 1905, 305, suborder of Digenea to include all except the *Gasterostomata* (*Gasterostomum*, *Prosorhynchus*).

PROSOTOCUS Looss, 1899b, 616, 623 (*πρόσω*=cephalad; *ὁ τόκος*=das Gebären) (tod. *confusus*).—Pratt, 1902, 889, 902, 904.—Stiles, 1901, 197.

*confusus* (Looss, 1894) Looss, 1899b, 616.—Ssinitzin, 1905, 144–145; 1906, 687 (in *Aeschna*, *Cordulia*, and a beetle larva; Warschau).—Staff., 1905, Apr. 11, 684, 685.

*tener* (Looss, 1898) Looss, 1899b, 616.—Staff., 1905, Apr. 11, 684.

PROSTHOGOMINUS Jahresb. ü. d. Leist. a. d. Geb. d. Veterinär-Med., v. 21 (1901) 1902, 248 (misprint for *Prosthogonimus*).

PROSTHOGONIMUS Luehe, 1899k, 539 (tod. *ovatus*); 1900, 555; 1901, 487.—Braun, 1901f, 561; 1901i, 56; 1902b, 67, 68, 69, 80, 85, 96 (syn. *Prymnopriion* Looss).—Looss, 1900, 608; 1902m, 834, 835.—Pratt, 1902, 889, 901.—Stiles, 1901, 183, 185.

1899: *Prymnopriion* Looss, 1899b, 628 (tod. *ovatum*).

1902: *Prosthogominus* Jahresb. ü. d. Leist. a. d. Geb. d. Vet.-Med., v. 21 (1901), 1902, 248, misprint.

1903: *Prostogonimus* Markow, 1903, 287–294, 295–297, figs. 1–7; 1903b, Aug. 14, 538; 1905b, July, 54.

*anatinus* Markow, 1902, 1903a, 287–298 (*Prostogonimus*), pl. 1, figs. 1–7 (in *Anas boschas dom.*); 1903b, 538.

*cuneatus* (Rud., 1809) Braun, 1901, 15–16, 17, fig. 2; 1901, 258–259; 1902b, 75–79, 80, 81, 82, figs. 44–45 (syns. *Fasc. ovata* Rud. (part), *Dist. ovatum* Rud. of Wedl, 1858; of Linst., 1878; of Auct.; *D. cuneatum* Rud.; *Prymnopriion anceps* of Looss, in *Machetes pugnax*; *P. ovatus* of Looss in *Passer domesticus*).—Wolffhügel, 1906, 21 Nov., 21–25 (in hen's egg).—Reported for *Cygnus musicus*, *Corvus cornix*, *C. corone*, *Anas clangula*, *Fulica atra*, *Fringilla coelebs*, *Grus cinerea*, *Otis tarda*, *Pavo cristatus*.

*japonicus* Braun, 1901, 17, fig. 3 (in hen's egg; Yedo, Japan); 1901, 258; 1902b, 81, fig. 46.

*ovatus* (Rud., 1803) [Luehe, 1899k, 539] Braun, 1901, 13–15, 17, fig. 1; 1901, 258; 1902b, 17, 69, 75, 76, 77, 78, 81, 83, 84, fig. 43 (syns. *Dist. ovatus* Rud.; *Fasc. ov. Rud.*).—Kowal., 1902d, [8] 26.—Markow, 1902, 292, 297 (*Prostogonimus*).—Reported for *Larus canus*, *Anas glacialis*, *Pica caudata*, *Corvus cornix*, *Sturnus vulgaris*.—T. h. *Corvus frugilegus*.

*pellucidus* (Linst., 1873) [Luehe, 1899k] Braun, 1901, 16–17, 18; 1901, 258–259; 1902b, 79, 80, 81, 82, fig. 45a (in *Numenius arquatus*, *Gallus domesticus*).

*rarus* Braun, 1901, 17–19, fig. 4 (in *Fulica atra*, Coll. Berlin; *Anas boschas*); 1901, 258, 259 (in *Anas clypeata*); 1902b, 22, 83, 84, 85, figs. 47, 48 (labelled *Dist. ovatum* in Berlin Coll. nos. 1615, 1423).

PROSTHOMETRA Looss, 1896b, 58–60 (felineus type by inclusion), no specific combinations made, but following species included: *Dist. geminum*, *simulans*, *amphileucum*, *complexum*, *choledochum*, *longissimum*, *crassiusculum*, *xanthosomum*, *felineum*; 1901, 194.—Stiles, 1901, 183, 185.

PROSTOGONIMUS Markow, 1903, 287, for *Prosthogonimus*.

PROTENTERON Staff., 1904, May 3, 494 (m. *diaphanum*) (*πρωτός*=first; *έντερον*=intestine).

*diaphanum* Staff., 1904, May 3, 494 (t. h. *Ambloplites rupestris*; Canada).

PRYMNOPRION Looss, 1899b, 628–629 (*πρυμνός*=the undermost part; *ὁ πρίων*=the saw) (tod. *ovatus*); 1900, 608; 1902m, 839.—Braun, 1901i, 56; 1902b, 67, 68 (syn. of *Prosthogonimus*).—Ofenheim, 1900, 182.

*anceps* Looss, 1899b, 629, 722–723, fig. 41 (in *Machetes pugnax*; Apr., Marg, Egypt).—Braun, 1901, 13, 16; 1902b, 68, 69, 78 (Looss from *M. pug.*; syn. of *Prosthogonimus cuneatus*).

*ovatus* (Rud., 1803) Looss, 1899b, 629, 720–722, 723, figs. 39–40 (in *Passer domesticus*; Alexandria and Cairo).—Braun, 1901, 16; 1902b, 73, 78 (Looss, from *P. dom.*; syn. of *Prosthogonimus cuneatus*).

*pellucidus* (Linst., 1873) Looss, 1899b, 629, 723.

**PSEUDAXINE** Par. & Perugia, 1890, 11–12, 19 (m. *trachuri*) (Microcotylidæ).—Braun, 1890a, 523, 540, 542, 546; 1893a, 890.—Gamb., 1896a, 73.—Mont., 1903, 336 (subf. Axininæ).—Pratt, 1900, 646, 653 (key), 657, fig. 41.

1879: Pseudocotyle Tasch., 1879, 65, misprint.

*trachuri* Par. & Perugia, 1890, 11–12, pl. 14, figs. 10–13 (in *Caranx trachurus*; Genoa).—Braun, 1890a, 542, 549, 550 (in C. tr.; Mittelmeer, Genua).—Par., 1894, 595.—Pratt, 1900, 657, fig. 41.

**PSEUDOCOTYLE** Tasch., 1879, 49, misprint for Pseudocotyle.

**PSEUDOCOTYLE** Ben. & Hesse, 1865a, 4th appendix, 11–18 (m. *squatinæ*), Tristomidæ.—Ben., 1868, 28.—Brand., 1891d, 20.—Braun, 1890a, 411, 442, 451, 453, 455, 478, 482, 483, 484, 491, 492, 498, 511, 516, 517, 518, 523, 530; 1891d, 422; 1893a, 890; 1896b, 7.—Cerf., 1898b, 347, 356, 362.—Fraip., 1880c, 445; 1881b, 28.—Gamb., 1896a, 73.—Haswell, 1892b, 150; 1893c, 112, 114.—Hoyle, 1890, 539.—Ijima, 1884c, 638.—Jackson, 1888, 644, 646, 647, 653.—Kerbert, 1881a, 544, 572.—Mont., 1888a, 10, 13, 16, 20, 34, 37, 42, 43, 52, 53, 55, 56, 57, 58, 59, 60, 65, 66, 67, 88, 98; 1892, 108, 127, 128, 129; 1892, Oct. 7, 213 (gen. of Monocotylidæ); 1893, 118; 1905, 69, 70 (=Microbothrium Olss.); 1903, 336 (subf. Pseudocotylinae; f. Monocotylidæ).—Pratt, 1900, 646, 649 (key), 655, fig. 15.—St. Remy, 1891, 213, 214, 222.—Tasch., 1878, 176; 1878, 573; 1879, 65 (Pseudocotyle), 49 (Pseudocotyle), 44, 49, 50, 54, 55, 58, 60, 62, 64, 65, 66, 68; 1879, 236 (syn. Microbothrium Olss.).

1879: Pseudocotyle Tasch., 1879, 49, misprint.

1879: Pseudocotyle Tasch., 1879, 65, misprint.

*apiculatum* (Olss., 1868) Braun, 1890a, 530, 547, 550.—Mont., 1893, 206.—Staff., 1904, May 3, 482 (in *Squalus acanthias*; Canada).—Type of Microbothrium, 1869.—Reported also for *Acanthias vulgaris*.

*fragile* (Olss., 1868) Braun, 1890a, 530, 547, 551 (in *Raja batis*; Nordl. Eismeer).—Staff., 1904, May 3, 482 (syn. of Micropharynx parasitica Jägers., type of Mic.).

*minor* Mont., 1888a, 16, 52, 60, 66 (in *Seyllium*); 1890, 191, fig. 4; 1891, 1892, 116, 127, 128; 1905, 70.—Braun, 1890a, 530, 547, 552 (in *Sc. canicula*; Mittelmeer, Naples).—Type of Leptocotyle 1905.

*squalinae* Mont., 1892, 127, for *squatinæ*.

*squatinæ* Ben. & Hesse, 1865a, 4th appendix, 11–18, figs. 1–7 (in *Squatina angelus*; Ostende).—Ben., 1870, 13.—Brand., 1891d, 20.—Braun, 1889k, 622; 1890a, 420, 421, 424, 445, 449, 487, 530, 547, 552 (in *Squat. ang.*; North Sea, Mittelmeer, Naples); 1893b, 178.—Cerf., 1898b, 341.—Fraip., 1880c, 442.—Goto, 1891a, 162.—Ijima, 1884c, 638.—Juel, 1889, 36.—Kerbert, 1881a, 533.—Looss, 1885b, 5, 10.—Mont., 1888a, 7, 16, 19, 20, 23, 26, 32, 37, 39, 45, 52, 53, 66, 88; 1890, 420; 1892, 116, 127 (*squalinae*), 128.—Par., 1894.—Pratt, 1900, 655, 657, fig. 15.—Tasch., 1878, 176; 1878, 573; 1879, 20; 1879, 48–55, 57, pl. 3, fig. 2 (in *Squat. ang.*).—Ziegler, 1883, 545.

**PSEUDOCOTYLINÆ** Mont., 1903, 336 (f. Monocotylidæ); 1905, 69, 78.

**PSEUDODISCUS** Sons., 1895, 8 (for *hawkesi*, *collinsi*, *ornatum*), also written as subg.; 1895, 184, 185, 186; 1896, 310.—Fischder., 1903h, 489.—Piana & Stazzi, 1900, 523.

*cobboldi* Montgomery, 1906, Feb. 12, 21 (in ponies; India).

*hawkesi* (Cobbold, 1875) Sons. [1895, 5], 1896, 310.—Piana & Stazzi, 1900, 519 [=Amphist. *hawkesi*].

*ornatum* (Cobbold, 1882) [Sons., 1895, 5].

(PSEUDODISCUS) as subg. of Amphist.—Sons., 1895, 187.

*collinsi* Cobbold.—Sons., 1895, 9, fig. 2; 1895, 187, fig. 2.

*hawkesi* Cobbold of Sons., 1895, 9, fig. 1.

*hawkesi* Cobbold, Sons., 1895, 187, fig. 1.

**PSILOSTOMIDÆ** Looss, 1900, 604.

**PSILOSTOMINÆ** Looss, 1900, 604.—Pratt, 1902, 888, 896 (includes: *Psilost.*, *Crepidostomum*, *Rhytidodes*, *Allocreadium*, *Calycodes*, *Azygia*, *Helicometra*, *Cotylotretus*; related genera: *Ptychogonimus*, *Orchipedium*).

**PSILOSTOMUM** Looss, 1899b, 573–574, 578, 579 (*ψιλόσ=*kahl) (tod. *platyurum*); 1900, 603, 604.—Braun, 1900, 232; 1901a, 33; 1901i, 56; 1901, 944; 1902b, 11, 15, 18, 19, 26, 147, 148.—Luehe, 1900, 489.—Pratt, 1902, 888, 897.—Stiles, 1901, 189.

## PSILOSTOMUM—Continued.

*brevicollis* (Crep., 1829) Braun, 1902b, 12–14, fig. 9 (syns.: Dist. *brevicollis* Crep., 1829, 24; Duj., 1845a, 445; Mueller, 1897, 19; D. (Dicrocoelium) *brevicollis* Stoss., 1892, 35).

*oryzorum* (Crep., 1825) Braun, 1902b, 14, fig. 10.

*platyurum* (Mueh., 1896) Looss, 1899b, 574.

*redactum* Nicoll, 1906, 515, 525–527, pl. 13, figs. 9–10 (in *Gasterosteus aculeatus*; Scotland); 1907, 70, 73 (syn. of *Podocotyle atomon*).

*simillimum* (Mueh., 1898) Looss, 1899b, 574.

*spiculigerum* (Mueh., 1898) Looss, 1899b, 574. Braun, 1902b, 15, 16, 155.

## PTACUNELLA Massa, 1906, 58, for Placunella.

**PTEROCOTYLE** Ben. & Hesse, 1863, 1864, 96, 106 (palmatum=*inhærens*, type by inclusion; also type because it is only species figured).—Braun, 1890a, 477, 498, 516, 517, 522, 546.—Cerf., 1895h, 918, 920; 1896, 514, 515, 516.—Mont., 1888a, 7, 11, 16, 36, 66, 86, 89, 99; 1903, 336 (syn. of *Dactycotyle*).—Scott, T., 1901, 149.—Tasch., 1879, 240.

*morrhua* Ben. & Hesse, 1863; 1864, 106–107 (in *Gadus morrhua*).—Braun, 1890a, 492.—Cerf., 1895h, 922; 1896, 517; 1898a, 302.—Scott, 1901, 149–150, pl. 8, figs. 25–26 (in *Gadus callarias*, *G. merlangus*); 1905, 118 (in Scott, 1901, pl. 8).—Tasch., 1879, 246 (syn. of *Octobothrium morrhua*).

*palmata* (Leuck., 1830) Ben. & Hesse, 1863, 1864, 107–108, pl. 11, figs. 1–13 (syns. *Octobothrium pal. Leuck.*, *Octodactylus inhærens* Dalyell) (in *Gadus molva*).—Cerf., 1895h, 917 (syn. of *Octob. pal.*); 1896, 513.—Scott, 1901, 149, pl. 8, fig. 27 (in *Molva molva*); 1905, 118 (in Scott, 1901, pl. 8).—Tasch., 1879, 246 (to *Octob.*).

**PTERONELLA** Ben. & Hesse, 1863; 1864, 94–95 (m. *molva*), fam. *Udonellidæ*.—Braun, 1890a, 410, 446, 511, 516, 517, 523, 531, 532; 1893a, 890.—Gamb., 1896a, 73.—Mont., 1888a, 10, 86, 88, 98; 1892, Oct. 7, 213 (gen. of *Udonellinæ*); 1903, 336 (subf. *Udonellinæ*).—Pratt, 1900, 646, 649 (key), 655; fig. 14.

*molva* Ben. & Hesse, 1863; 1864, 94–95, pl. 8, figs. 20–23 (in *Lota molva*).—Braun, 1890a, 409, 418, 532, 548, 550, 551 (in *Lota molva*; Atlantic Ocean).—Linst., 1889a.—Pratt, 1900, 655, 657, fig. 14.—Tasch., 1878, 573 (to *Udonella*).

**PTYCHOGONIMUS** Luehe, 1900, 489 (m. *megastomus*).—Looss, 1901, 206; 1902m, 829, 830.—Pratt, 1902, 888 (related to *Psilostominæ*), 897, 900.

*megastomus* (Rud., 1819) Luehe, 1900, 489; 1901, 483.—Fischder., 1903h, 548.

**PYCNOPORUS** Looss, 1899b, 551, 610–611, 612, 618, 619 (*πυκνός*=firm, thick, strong, because of acetabulum) (tod. *heteroporus*); 1901, 199, 200.—Pratt, 1902, 889, 903.—Staff., 1903, 828.—Stiles, 1901, 197.

“*acetabularis* Looss, 1896,” for *acetabulatus* Looss, 1899, in Braun, 1900, 388.

*acetabulatus* Looss, 1899b, 611, 717–719, fig. 36 (in *Vesperugo kuhli*; Egypt); 1901, 205; 1907, Mar. 5, 481 (in *Vesp. k.*; Cairo, Egypt), 488.—Braun, 1900, 227, 228.

*heteroporus* (Duj., 1845a) Looss, 1899b, 611.—Braun, 1900, 227, 228.—Staff., 1905, Apr. 11, 692–693.

*inversus* Looss, 1907, Mar. 5, 486–487, figs. 6 a–b (in *Vesperugo kuhli*; Cairo, Egypt).

**PYELOSOMUM** Looss, 1899b, 667 (*ῥέπελος*=Trog, Wanne, Mulde) (m. *cochlear*); 1902m, 581, 582, 584, 586, 590, 593, 597, 600, 601, 602, 609, 611, 612, 613 (diagnosis), 614.—Braun, 1901b, 50.—Pratt, 1902, 890, 910.

*cochlear* Looss, 1899b, 667, 773–774, fig. 83 (in *Chelonia mydas*; Egyptian coast); 1902m, 416, 578–580, pl. 27, figs. 102–104; pl. 32, fig. 181; 593, 613.—Braun, 1901a, 53.

**PYGIDIOPSIS** Looss, 1907, 488 (m. *genata*), *Heterophyiden*.

*genata* Looss, 1907, Mar. 5, 488–490, figs. 7 a–c (in *Pelecanus onocrotalus*; Cairo, Egypt).

**PYGORCHIS** Looss, 1899b, 587 (m. *affixus*) (*ῥήρυγ*=der Steiss).—Braun, 1902b, 31, 37.—Ofenheim, 1900, 182.—Pratt, 1902, 888, 898.

*affixus* Looss, 1899b, 587, 596, 702–703, fig. 25 (in *Corvus cornix*; Marg, Galiub, Gizeh, Cairo; *Falco tinnunculus*; Galiub; *Circus aeruginosus*; Nil, Adeleninsel; *Recurvirostra avocetta*).—Braun, 1901, 948; 1902b, 147.



- RAJONCHOCOTYLE** Cerf., 1899a, 347, 373, 420, 440, 445, 446, 455-456 (type *batis*, designated by Cerf. in correspondence with Stiles, Jan. 21, 1907).—Mont., 1903, 336 (subf. *Onchocotylinæ*).
- alba* Cerf., 1899a, 377, 381, 383, 407, 408, 413, 417, 420, 433, 437, 438, 444, 446, 450, 463-464, pl. 18, figs. 5, 6, 8, pl. 19, fig. 9, pl. 20, figs. 1, 2, 3, 6, 7, pl. 21, figs. 1, 4, 8, 11, 13, 14, 15 (in *Raja alba* Lacep.).
- batis* Cerf., 1899a, 376, 381, 383, 442, 451, 462-463, pl. 19, figs. 11, 12, pl. 21, fig. 12 (syn. *Onchocotyle appendiculata* Oles., 1867 and 1876) (in *Raja batis*).
- prenanti* (St.-Remy, 1890), Cerf., 1899a, 377, 381, 383, 447, 464, pl. 18, figs. 10, 11, pl. 19, fig. 10, pl. 20, fig. 4 (syns. *Onchocotyle appendiculata* Kuhn of Sons., *O. borealis* Ben. of Stoss., 1885, *O. prenanti* St.-Remy, 1890) (in *Raja oxyrhynchus*).
- REDIA** Fil., 1837a, 336-337 (m. *gracilis*); 1854a, 6.—R. Bl., 1888a, 542, 551, 553, 554, 555, 556, 557, 558, 559, 604, 645.—Braun, 1892a, 775; 1893a, 884.—Burm., 1856a, 245.—Dies., 1850a, 287, 301; 1855a, 379 (cf. *sporocerca*), 380, 383, 393; 1858d, 240 (cf. *sporotherium*).—Goldb., 1855a, 16.—Hoyle, 1890, 535.—Jackson, 1888, 644, 651, 652, 653.—Pag., 1857, 10.—Wagener, 1866, in 145-150, figs. 1-11.—Ward, 1903, 863, 865.
- gracilis* Fil., 1837a, 336-337, figs. 6-7 (in *Planorbis nitidus*; Italy); 1854a, —, pl. 1, fig. 4.—Dies., 1850a, 301; 1855a, 394 (syn. of *Diplocotyle mutabilis*).—Moul., 1856a, 95 (syn. of *Cerc. diesingii*), 106, 107 (syn. of *Cerc. amphistomi subclavati*).—Pag., 1857, 25.—Par., 1894, 165.
- RENICOLA** Cohn, 1904, 235 (tod. *pinguis*).
- pinguis* (Mehlis, 1846) Cohn, 1904, 232-235, figs. 2-3 (syn. *Monost. pingue* Mehlis, 1843; Braun, 1893a, 915, in *Podiceps cristatus*; Brand., 1892, 504-511).
- RENIFER** Pratt, 1902, 888, 899; 1903, 25 (tld. *ellipticus*).
- ellipticus* Pratt, 1903, 25-28, 29, 34, pl. 4, fig. 1 (in *Heterodon platyrhinus*; North America).—Staff., 1905, Apr. 11, 691.
- elongatus* Pratt, 1903, 25, 28-30, pl. 4, fig. 2 (in *Heterodon platyrhinus*; North America).—Seely, 1906, 253.—Staff., 1905, Apr. 11, 691 (thinks this a *Lechriorchis*).
- solitarius* (Looss, 1899) Pratt, 1903, 25.
- variabilis* (Leidy, 1856) Pratt, 1903, 25, 31-34, pl. 4, fig. 5.
- zschokkei* (Volz, 1899) Pratt, 1903, 25, 28.
- RENIFERINÆ** Pratt, 1902, 888 (contains *Styphlodora*, *Ochetosoma*, *Renifer*, *Oistosomum*, *Astiotrema*).
- RHIPIDOCOTYLE** Dies., 1858e, 313, 361-362 (type probably *gracilescens*).—Hausmann, 1897b, 34.—Mont., 1888, 92.—Odh., 1905, 296.—Ziegler, 1883, 538.
- gracilescens* (Rud., 1819) Dies., 1858e, 361 (in *Lophius piscatorius*; Apr. Trieste; Mar., Pisa).—Linst., 1878a, 223 (includes *Monost. isabellinum* Ratzell).—Stoss., 1898, 61.—Tennent, 1906, 638.—Reported also for *Lota molva*, *Merlangus vulgaris*, *Gadus aeglefinus*, *G. melanostomus*.
- minima* (Wagener, 1852) Dies., 1858e, 361-362 (in *Trigla microlepidota*).—Linst., 1878a, 227.—Tennent, 1906, 638 (minimum).
- RHOPALIADÆ** Looss, 1899b, 543.
- RHOPALIADINÆ** Braun, 1901.—Looss, 1902m, 839.
- RHOPALIAS** Stiles & Hass., 1898a, 82, 93, 96 (= *Rhopalophorus* Dies., 1850a [not *Ropalophorus* Westwood, 1840, hymenopteron; not *Rhopalophorus* Agassiz, 1846, *Rhopalophora* Serv., 1834] renamed) (tod. *coronatus*).—Braun, 1900, 28; 1900d, 27-29; 1901e, 318, 320, 324, 326-329 (syn. *Rhopalophorus*); 1903, v. 2, 23.—Looss, 1899b, 542, 581.—Pratt, 1902, 888 (related to *Echinostominae*), 894.
- baculifer* Braun, 1900d, 28 (in *Didelphys palmata*; Brazil); 1901e, 325-326, pl. 19, fig. 1.
- coronatus* (Rud., 1819) Stiles & Hass., 1898a, 93.—Braun, 1900, 28, 29; 1901e, 320-323, 324, 326, 328, pls. 19, 20, figs. 2, 4, 11 (syns. *Dist. cor.* Rud., *Rhopalophorus cor.* Dies., *Echinost. cor.* Stoss.).—Reported for *Didelphys cancrivorus*, *D. nudicaudata*, *D. palmata*, *D. quica*, *D. virginiana*.
- horridus* (Dies., 1850a, 400) Stiles & Hass., 1898a, 93.—Braun, 1901e, 323, 325, pl. 19, fig. 3 (syns. *Dist. coronatum*; *Rhopalophorus horr.* Dies.).—Reported for *Didelphys nudicaudata*, *D. philander*.
- RHOPALOCERA** Fil., 1854a, 6 (for *Rhopalocerca*).—Burm., 1856a, 250.

- RHOPALOCERCA** Dies., 1850a, 286, 293 (m. *tardigrada*=*Dist. duplicatum* renamed); 1855a, 379, 384; 1858d, 270.—Burm., 1856a, 250 (*Rhopalocera*).—Fil., 1854a, 6 (*Rhopalocera*).—Goldb., 1855a, 15.—Moul., 1856a, 121, 123.
- tardigrada* Dies., 1850a, 293–294 (*Dist. duplicatum* Baer, 1827b, renamed); 1855a, 378, 380, 384 (in *Anodonta ventricosa*, A. *anatina*); 1858d, 241, 242, 271–272 (syns. *Dist. dup.* Baer, *Cerc. dup.* Moul.) (in *Anodonta ventricosa*; *Regio-montii*; A. *anatina*, A. *cygnea*).—Jacobson, —, 301, pl. 8, figs. 1–4 (syn. *Dist. dup.*).—Leidy, (1858) 1859, 110; 1877, 202.—Looss, 1894a, 63.—Pag., 1857, 6.—Ziegler, 1883, 540.
- RHOPALOPHORUS** Dies., 1850a, 288, 400 (not *Ropalophorus* Westwood, 1840; not *Rhopalophorus* Agassiz, 1846, for *Ropalophorus*, 1840; not *Rhopalophora* Serv., 1834) (tld. *coronatus*); 1855, 172; 1858e, 312, 357.—Braun, 1892a, 568, 569, 576, 595; 1893a, 879, 880, 886, 890, 893, 895, 908, 911, 918; 1900, 28; 1900h, 3; 1901e, 318, 319.—Carus, 1863, 479.—Gamb., 1896a, 73.—Goldb., 1855a, 17; 1899b, 536, 538, 542.—Mont., 1888a, 8, 11, 92, 105; 1892, Oct. 7, 214 (gen. of *Distominae*); 1893, 82, 153, 154, 155.—Stiles, 1901, 172.—Stiles & Hass., 1898a, 93 (renamed *Rhopalias*, type *coronatus*).
- coronatus* (Rud., 1819a) Dies., 1850a, 400; 1855, 172–173, pl. 1, figs. 6–11; 1858e, 357.—Braun, 1893a, 911 (in *Didelphys cancrivorus*, D. *myosurus*, D. *palmata*, D. *quica*; Brazil); 1901e, 319, 320, 323, 324, 325.—Cobbold, 1879b, 432.—Kaiser, 1893a, 93.—Mont., 1893, 83.
- horridus* Dies., 1850a, 400 (in *Didelphys myosurus*, D. *philander*; Brazil); 1855, 173, pl. 1, figs. 12–16; 1858e, 357.—Braun, 1892a, 583; 1893, 911 (in *Did. my.*, D. *phil.*; Brazil); 1901e, 319, 320, 323, 324.—Cobbold, 1879b, 432.—Mont., 1893, 83.—Stiles & Hass., 1898a, 93.
- RHYTIDODES** Looss, 1901l, 565 (tod. *gelatinosus*); 1902m, 451 (diagnosis), 839.—Odhn., 1905, 296.—Pratt, 1902, 888, 897.
- gelatinosus* (Rud., 1819) Looss, 1901l, 563–565 (in *Thalassochelys corticata* Looss; Egypt); 1902m, 414, 416, 441, 445–456 (includes: *Dist. gelat.* Rud., 1819a, 386; Sons., 1890, 43; 1893; Stoss., 1898, 43; Braun, 1899, 716; 1901, 9, figs. 6, 12, pl. 1, fig. 9, pl. 2; Looss, 1899b, 579), 458, 460, 462, 463, 870, pl. 22, figs. 19–24.—Heymann, 1905, 82, 83, 87.
- SACCOCELIUM** Looss, 1902h, 134, 135 (tod. *obesum*).
- obesum* Looss, 1902h, 135, 140–141, 142, figs. 9–11 (in *Mugil auratus*, M. *cephalus*, M. *chelo*; Trieste).
- tensum* Looss, 1902h, 141–142, figs. 12–13 (in *Mugil chelo*; Trieste).
- SAPHEDERA** Looss, 1902m, 732, 839 (*Macrodera*, 1899, renamed) (type *naja*).—Staff., 1905, Apr. 11, 691.
- 1899: *Macrodera* Looss, 1899b, 603 (tod. *naja*) [not *Macroderes* ante 1882].
- naja* (Rud., 1819) Looss, 1902m, 732.
- SCAPHANOCEPHALUS** Jaegers., 1903a, 1–16 (m. *expansus*), *σκαπάνη*=*Spaten*; *κεφαλή*=head.
- expansus* (Crep., 1842) Jaegers., 1903a, 1–16, pl. 1, figs. 1–5 (in *Pandion haliaëtus*; Tor on Red Sea); 1904a, 279; 1904, 16 pp., 1 pl., 3 figs., *Distomida*.
- SCAPHIOSTOMUM** Braun, 1901g, 897 (m. *illatabile*); 1902b, 129, 133, 134.—Pratt, 1902, 889, 907 (key).
- illatabile* Braun, 1901g, 897 (in *Falco nitidus* Lath.; Brazil); 1902b, 134–136, fig. 80.
- SCHISOSTOMA** Colloridi, 1891a, 854, for *Schistosoma*.
- SCHISTOMOSUM** Cummins & Dupaquier, 1907, Jan., 496, for *Schistosoma*.
- SCHISTOSOMA** Weiland, 1858 [prior to Sept. 30], 58, 87 (m. *haematobium*) (not *Schistosoma* Brady, 1877, arachn.).—R. Bl., 1895, 730 (*Schistosomum*).—Braun, 1893a, 894, 912; 1901, 562; 1901, 947; 1902b (*Schistosomum*), 140, 142, 144; 1903, 3 ed., 168; 1906, 176 (syns. *Gynaecophorus*, *Bilharzia*, *Thecosoma*).—Catto, 1904, 1499.—Christopher, 1905, Aug. 15, 259 (a peculiar egg of).—Christopher & Stephens, 1905, Nov. 11, 1289 (peculiar egg); 1905, 2341; 1905, Nov. 30, 1944; 1905, Aug. 26, 609.—Cobbold, 1879b, 39; 1885a, 498 (syn. of *Bilharzia*).—Colloridi, 1891a, 854 (*Schisostoma*).—Darr, 1902, 660.—Huber, 1896, 580 (syn. of *Bilharzia haematobia*).—Katsurada, 1904b, 1237–1249 (Japanese); 1904c, 298–305 (Japanese); 1904, 160; 1904e (*schistosomiasis* in Japan); 1904g, Oct. 31, 126–134; Nov. 30, 135–148 (*schistosomiasis* in Japan); 1905a, Jan., 14–15.—Leuck., 1863a, 617.—Looss, 1895, 3; 1899b, 543, 656, 657, 658–659.—Moniez, 1896, 154–155.—Montgomery, 1906, 15–46, 2 pls.; 1906, Feb.

## SCHISTOSOMA—Continued.

- 12, 18, 21 (*Schistosomum*).—Mont., 1896, 163.—Poche, 1907, 126.—Pratt, 1902, 889, 907.—Scheube, 1905, 150–155; 1905, 29 Aug., 1701.—Simon, 1897, 99.—Stiles, 1898a, 23, 27, 58, 63; 1903, 77.—Stiles & Haess., 1898a, 90, 93–94, 95, 98 (syns. *Gynæcophorus*, *Bilharzia*, *Thecosoma*) (type *Dist. hæmatobium*).—Ward, 1903, 224; 1903, 871–872.
- 1858: *Gynæcophorus* Dies., 1858, 356 (*hæmatobius*) later than Oct. 21, 1858.
- 1859: *Bilharzia* Cobbold, 1859, 364 (*hæmatobia*).
- 1860: *Thecosoma* Moquin-Tandon, 1860, 342 (*hæmatobium*).
- 1877: *Bilhartzia* Sons., 1877, 652 for *Bilharzia*.
- 1891: *Schisostoma* Colloridi, 1891a, 854, misprint.
- 1895: *Schistosomum* R. Bl., 1895, 40, for *Schistosoma*.
- 1905: *Schistosoma* Schwarz, 1905, 31 Mar., 236, misprint.
- 1906: *Schistosomum* Montgomery, 1906, Feb. 12, 21, misprint.
- 1907: *Schistosomum* Cummins & Dupaquier, 1907, Jan., 496.
- bomfordi* Montgomery, 1906, 143–147, pl. 1, figs. 1–4, pl. 2, fig. 1 (in *Bos indicus*; India).
- bovis* (Sons., 1876) R. Bl., 1895b, 101–104, fig. 7.—Braun, 1902b, 143 (syn. *Bilharzia crassa*).—Gomy, 1897a, 377.—Looss, 1905m, 281.—Moniez, 1896, 154.—Montgomery, 1906, Feb. 12, 17 (in cattle; Egypt; in sheep, Sicily), 18, 19, 43, 44; 1906, 138 (syns. *Bilh. cr.*, *B. bovis*).—Rail., 1899, 788.—Stiles, 1898a, 23, 58, 60, 61, 62, 140, figs. 45, 46, 47.
- cattoi* R. Bl., in Catto [1904, Sept., 17, 663; 1904, Oct. 8, 710; 1904, Sept. 29, 1480; 1904, Nov., 15; 1904, Nov. 19, 1411; 1904, Nov. 26, 1499;] 1905, Jan. 7, 70–73, 9 figs. (in *Homo*); 1905, Jan. 7, 11–13, figs. 1–9 (in *Homo*; Prov. of Fukien, China); 1905, Jan. 28, 202; 1905, Jan. 19, 114; 1905, Mar. 1, 70–74; 1905, Mar. 31, 236; 1905, 179–189; 1906, Jan. 5, 617.—*Brit. Med. J.*, Lond., 1905, v. 1, 27–28.—Crimp, 1905, Jan. 1, 67–68 (pathology); 1906, Apr. 22, 219.—Looss, 1905, 94; 1905m, 280.—*J. Trop. Med.*, Lond., 1905, Apr. 1, 105.—Montgomery, 1906, Feb. 12, 18 (syn. of *S. japonicum*), 19.—Scheube, 1905, Apr., 150–155.—Stiles, 1905q, 821–823 (syn. of *japonicum*); 1905s, 1809; 1905t, 827.
- crassum* (Sons., 1877) Looss, 1899b, 657, 658.
- hæmatobium* (Bilharz, 1852) Weinland, 1858, 87; 1859, 281.—R. Bl., 1888a, 636 (syn. of *Bilharzia hæmat.*); 1895, 740–744, fig. 80; 1895, 40–101, figs. 2–6; 1900, 488.—Bourel-Roncier, 1888a, 101ff.—Braun, 1902b, 144; 1906, 176–181, figs. 109–113 (syns. *Dist. hæm.*, *D. capense*), 285.—Catto, 1904, 73; 1905, 71, 72; 1905, Jan. 7, 12.—Darr, 1902, 678.—Higgins, 1906, Mar. 24, 881–882 (in Canal Zone).—Katsurada, 1904, Dec., 148, 149, 150, 153, 154, 155, 156, 157.—Kowal., 1904, (10), 25 (in *Homo*; Kair).—Letulle, 1905e, 329–439, pls. 1–2, figs. 1–16; 1905c, 607–609.—Looss, 1896b, 158; 1899b, 657, 658, 751, 752; 1901, 27; 1905m, 281, 282, 284.—Moniez, 1896, 86, 154, 155–173, fig. 29; 1896, 86, to (*Bilharzia*).—Mont., 1896, 162, to (*Bilharzia*).—Montgomery, 1906, 139; 1906, Feb. 12, 16, 18, 31, 36, 40, 41, 43.—Rail., 1899, 787.—Roger, 1901, 94, 95.—Shaw, 1901, 1027.—Shipley, 1905, v. 6 (1), 4.—Stiles, 1898a, 23, 57, 58, 59, 60, 137, 138, 140, figs. 41, 42, 43, 44, 48; 1902, 40; 1902, 204; 1903, 8, 84.—Ward, 1895, 253 (syn. of *Gynæcophorus hæmatobius*), 328 (in *Homo*); 1903, 407; 1903, 863, 864, 872 (syns. *Dist. hæm.*, *Gynæcophorus hæm.*, *Bilh. hæm.*, *Thecosoma hæm.*, *Bilh. capensis*).—Yamagiwa, 1905, v. 6 (3), 2 pls.
- indicum* Montgomery, 1906, 139; 1906, Feb. 12, 44, 45 (in *donkey*; India).
- japonicum* Katsurada, 1904e, Aug. 3, 21 (in *Felis catus dom.* and *Homo*; Japan); 1904f, Dec., 147–160, pl. 7, figs. 1–10 (in *Felis domestica*; *Homo*; Japan, Prov. of Yamanishi); 1904b, 1237–1249; 1904c, 298–305; 1904d, 1–22; 1904g, 126–134, 135–148; 1905a, 14–15; 1905, Jan. 31, 236; 1905, Apr. 1, 108–111.—Beyer, 1905, Sept. 10, 578–579 (case in Asia); 1905, 4 pp.—Braun, 1906, 181–186, figs. 114–117 (syn. *Sch. cattoi*).—[Catto, 1904, Sept. 19, 1411.]—Inouye, 1903, 131–132.—[Kurimoto, 1893, 20 Nov.]—Logan, 1905, v. 19, 243–245 (Hunan Province); 1906, Oct. 1, 294–296, figs. 1–3.—Looss, 1905m, 280–285; 1905n, 1362; 1906, Feb., 31; 1906, May 1, 132.—Montgomery, 1906, 140; 1906, Feb. 12, 18 (man and cat), 19, 40, 43, 44 (syn. *S. cattoi*).—Scheube, 1905, Apr., 150–155.—Stiles, 1905q, 821–823 (syn. *cattoi*); 1905r, 7 pp.; 1905s, 1809; 1905t, 827; 1905bb, 854 (in Philippines); 1905, v. 39 (3), 280–285.—Woolley, 1906, 83–89, 3 pls., figs. 1–5 (in Philippines); 1906, Feb., 32–35; 1906, Apr. 21, 260; 1906, July 16, 530–531.

## SCHISTOSOMA—Continued.

- kowalewskii* (Par. & Ariola, 1896) Rail., 1899, 788, to Bilharziella by Looss, 1899b, *magnum* (Cobbold, 1859) Rail., 1899, 788.—Looss, 1899b, 658.
- mansonii* Sambon, 1907, June, 365–366 (in Homo; Africa).
- polonicum* (Kowal., 1895) Rail., 1898, 412; 1899, 788.—Looss, 1899b, 658, type of Bilharziella.—Reported for *Anas boschas*, *A. boschas dom.*, *A. acuta*, *A. crecca*, *A. querquedula*, *Ardea cinerea*, *Mergus albellus*.  
[*reflexum* a term in teratology; it has no status in nomenclature.]
- spindalis* Montgomery, 1906, 147–150, pl. 2, fig. 2 (in *Bos indicus*; India).
- SCHISTOSOMIASIS Toyama, 1905 (X, 26), 1739, medical term, name of the disease.—Miura, 1905a; 1906a, 46.—See also Bilharziosis.
- SCHISTOSOMIDÆ Looss, 1899b, 542, 543, 659 (type *Schistosoma*; contains also Kœllikeria, Bilharziella).—Braun, 1903, 3. ed., 168; 1906, 176.—Catto, 1905, (I, 7), 13.—Luehe, 1901, 488.—Montgomery, 1906, Feb. 12, 18, 19.—Pratt, 1902, 889, 907 (genera: *Schistosoma*, Bilharziella, Kœllikeria).—Shipley, 1905, v. 6 (1), 4.—Ward, 1903, 864, 865.
- SCHISTOSOMINÆ Stiles & Hass., 1898a, 90, 94, 95, 98. —Looss, 1901, 196.—Luehe, 1901, 175.—Stiles, 1898a, 22, 23, 58.
- SCHISTOSOMUM R. Bl., 1895, 40, for *Schistosoma*, q. v.
- SCHISTOSTOMA Schwarz, 1905, 31 Mar., 236, misprint for *Schistosoma*.
- SCHISTOSUMUM Montgomery, 1906, Feb. 12, 21 (for *Schistosoma*).
- SCHISTURUS Rud., 1809a, 8, 31 (m. paradoxus), 32; 1810a, 257–258.—Audouin, 1829, 408.—Blainv., 1824a, 513 “genre fort douteux établi par M. Rudolphi sur un animal incomplètement décrit par Redi”.—Deslongchamps, 1824uu, 674; 1829b, 238.—Dies., 1850a, 331 (syn. *Distomum*).—Looss, 1899b, 527, 528; 1902m, 721, 764, 765, 778.—Luehe, 1900, 492.—Stiles, 1901, 195, 196.—Stiles & Hass., 1898a, 92, 94 (?syn. of *Podocotyle*).
- paradoxus* Rud., 1810a, 257–258, pl. 12, fig. 4 (in *Tetrodon mola*; Europe); 1819a, 118 (syn. of *Dist. nigroflavum*).—Audouin, 1829, 408.—Dies., 1850a, 394 (syn. of *D. nig.*, in *Orthragoriscus mola*; Naples).—Looss, 1899b, 528; 1902m, 721, 764.—Luehe, 1900, 492.—Stiles, 1901, 196.—Stiles & Hass., 1898a, 92, 93.
- (SCHIZOCERCA) subg. of *Cercaria*.—Dies., 1858d, 264–265.
- dichotoma* (Mueller, 1855) Dies., 1858d, 265 (free; Nice).
- fissicauda* (La Valette, 1855) Dies., 1858d, 265 (in *Lymnæus stagnalis*; Berlin).
- gracilis* (La Valette, 1855) Dies., 1858d, 264–265 (in *Planorbis cornuus*; Berlin).
- SINISTROPORUS Staff., 1904, May 3, 484–485 (tld. simplex designated in letter from Staff.); sinister, left; *πίρος* = pore.
- productus* Staff., 1904, May 3, 485 (in *Hemitripteris americanus*; Canada) (productus, lengthened).
- simplex* (Rud., 1809) Staff., 1904, 484–485 (in *Acanthocottus scorpius*, *Gasterosteus aculeatus*, *Hemitripteris americanus*, *Phycis chuss*, *Salmo salar*, *Scomber scombrus*, *Sebastes marinus*).
- SODALIS Kowal., 1902d, 27 (m. *spathulatus*), 28 (10).
- spathulatus* (Rud., 1819) Kowal., 1902, 27 (9).
- SOLENOCERCA Dies., 1855a, 380, 383 “Der abgeworfene Sporenschwanz ist zuweilen von einem Schlauche oder einer Röhre durchgezogen (*Solenocerca*, — *Redia Filippi*).”
- SOLENCOTYLE Dies., 1850a, 289, 420 (m. *chiajei*); 1858c, 314, 374.—Ben. & Hesse, 1864, 84.—Braun, 1890a, 518.—Goldb., 1855a, 19.—Mont., 1888a, 89.
- chiajæ* Tasch., 1879, 251, for *chiajei*.
- chiajæ* Mont., 1888a, 89, for *chiajei*.
- chiajei* Dies., 1850a, 420 (Polyst. *loliginis Chiaje*, 1823, renamed) (in *Loligo vulgaris*; Naples); 1858c, 374.—Mont., 1888a, 89 (*chiajæ*) Tasch., 1879, 251 (*chiajæ*).
- SPATHIDIUM Looss, 1899b, 605 (*ῥ σπάθην* = spade) (tod. folium) [not *Spathidium* Duj., 1841a]; 1900, 605; 1901b, 202, 222 (Phyllodist.); 1902m, 476.—Braun, 1901b, 9.—Odhn., 1902, 65.—Osborn, 1903, 257 (syn. of *Phyllodist.* Braun, 1899).
- cymbiforme* (Rud., 1819) Looss, 1899b, 605.—Type of *Plesiochorus* 1901.
- folium* (Olfers, 1816) Looss, 1899b, 605.—See also *Rhopalocerca*.
- patellare* (Sturges, 1897) Looss, 1899b, 605.

SPBYRANURA Mont., 1888a, 11 (for Sphyranura).

SPECIES.—Looss, 1902, 779-794, variation of and conception of, among trematodes.

SPELOTREMA Jægers., 1901b, Dec. 31, 982 (tod. pygmæum); 1903a, 14, 15.—Looss, 1902m, 706, 824 (type pygmæum).

*claviforme* (Brand., 1888) Nicoll, 1907, 247, 248, 249, 254-256 (in *Aegialitis hiaticula*, *Pelidna* (*Tringa*) *alpina*).

*excellens* Nicoll, 1907, 247, 248-251, 252, 253 (syn. *S. simile* Jægers.) (in *Larus argentatus*).

*feriatum* Nicoll, 1907, 247, 248, 251-253 (in *Aegialitis hiaticula*, *Hæmatopus ostralegus*, *Pelidna* (*Tringa*) *alpina*, *Totanus calidris*, *Vanellus vanellus*).

*pygmæum* (Levin., 1881) Looss, 1902m, 785, 786, 809, 854.—Nicoll, 1907, 247, 248, 249, 250, 251, 253, 254, 255, 256 (in *Oidemia fusca*, *O. nigra*).—Odhn., 1905, 314-318, figs. 1, 2 (syns. *Dist. pyg.*, *Levinnesia pyg.*) (in *Larus* sp.; west coast of Sweden).

*simile* (Jægers., 1900) Looss, 1902m, 706, 786, [809], 854.—Nicoll, 1906, 522 (*similis*) (to *Levinnesia*).—Odhn., 1905, 315, 316, 317, fig. 2b.

*similis* Nicoll, 1906, 522 (to *Levinnesia*), for *simile*.

SPHEROSTOMA Rud., 1809a, 38, 39 (type by virtual tautonymy *globiporum*) [nec *Sperosoma* Køler: nec *Sphærodoma* Keyes].—Darr, 1902, 655, 661.—Looss, 1899b, 527, 571, 595, 646, 647, 648-649; 1902m, 757, 758, 769, 830, 831.—Stiles, 1901, 167, 179, 188, 191, 192, 193, 194, 195, 200.—Stiles & Hass., 1898a, 94-95, 97 (type *globiporum*=*bramæ*).—Stoess., 1902, 582.

1902: *Sphærostomum* Looss, 1899b, 648, for *Sphærostoma*.

*globiporum* (Rud., 1802) Looss, 1899b, 595, 649; 1902m, 654, 747, 765.—Ssinitzin, 1905, 113-121; 1906, 685 (larva is *Cerc. micrura*).—Stiles, 1901, 194.

SPHEROSTOMUM Looss, 1899b, 648-649 (for *Sphærostoma* Rud.).

SPHYRAMURA Mont., 1888a, 36 (for Sphyrnura).

SPHYRANNURA Mont., 1888a, 49 (for Sphyrnura).

SPHYRANURA R. Wright, 1879, 15-20, pl. 1, figs. 12-14, 54-75 (*m. osleri*).—Bettend., 1897a, 8, 38; 1897, 312, 342.—Brand., 1891d, 15; 1898a, 214 [22].—Braun, 1889k, 622; 1890a, 413, 415, 433, 434, 435, 437, 440, 442, 445, 451, 453, 457, 462, 463, 466, 469, 470, 481, 482, 483, 487, 491, 492, 511, 517, 523, 538, 540, 546; 1893a, 890.—Gamb., 1896a, 56, 73.—Goto, 1891c, 103.—Haswell, 1892a, 458, 460; 1892b, 149; 1893e, 112, 113, 114, 144, 145.—Hoyle, 1890, 539.—Lander, 1904a, 16, 17.—Looss, 1894, 23, 24; 1894a, 136, 203.—Mont., 1888a, 10, 11 (*Sphyrnura*), 15, 16, 23, 34, 36 (*Sphyramura*), 37, 46, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 64, 65, 66, 67, 89, 100; 1892, Oct. 7, 213 (gen. of *Polystominae*); 1893, 18, 39, 41, 111, 118; 1903, 336 (subf. *Dicotylinæ*).—Pratt, 1900, 646, 651, 656, 659, fig. 22 (*Sphyrnura*).

1888: *Sphyrnura* Mont., 1888a, 11, misprint.

1888: *Sphyrannura* Mont., 1888a, 49, misprint.

1888: *Sphyramura* Mont., 1888a, 36, misprint.

*osleri* R. Wright, 1879, 66-71, pl. 1, figs. 13-14, in *Necturus* (*Mesobranchus*) *lateralis*: ? Canada.—Braun, 1890a, 410, 418, 422, 424, 425, 430, 449, 454, 456, 468, 490, 540, 548, 552; 1891a, 53.—Crety, 1893a, 384.—Goto, 1891a, 160.—Haswell, 1892b, 150, 151; 1893e, 97, 99, 115.—Kowal., 1898h, 158 (55).—Lander, 1904a, 16.—Looss, 1894, 21; 1894a, 234.—Mont., 1888a, 8, 13 (*oslerii*), 20 (*Sphyrnura*), 25, 26, 27, 29, 32, 34, 35, 37, 39, 41, 44, 47, 48, 49 (*Sphyrannura*), 56; 1891, 1892, 99, 104; 1893, 16, 39, 112.—Pratt, 1900, 656, 657, 659 (key) (*Sphyrnura*), fig. 22.—Staff., 1900, 405; 1905, 682 (in *Necturus maculatus* Raf.; Canada).—Wright & Macallum, 1887, 1-48, pls. 1-48.

*oslerii* Mont., 1888a, 8, 13, for *osleri*.

SPOROCERCA Dies., 1855a, 379-380, "Der abgeworfene Schwanz der Cercarieen ist somit ein Sporenbehälter, welcher von Baer als *Sporocystis*, von Siebold als *Kremschlauch*, von Steenstrup als *Amme*, von Beneden als *Scoler* and von Filippi als *Redia* beschrieben und abgebildet wurde. Ich werde mich in der Folge dafür des Collectivnamens Sporenschwanz (*Sporocerca*) bedienen."

SPOROCYSTIDES Baer.—Dies., 1858d, 240, 242.

SPOROCYSTIS Baer.—Braun, 1892a, 775.—Burm., 1856a, 245.—Dies., 1855a, 379 (cf. *sporocerca*); 1858d, 270 (cf. *sporonema*).—Fil., 1854a, 6.—Pag., 1857, 10.—Wagener, 1866, in 145-150, figs. 1-11.

SPOROCYSTOPHORA Fil., 1856.

**SPOROCYSTOPHORE** Fil., —.—Dies., 1858d, 240, 242.

**SPORONEMA** Dies., 1855a, 380, "Bei allen zwei schwänzigen [Cercaria] hingegen wächst die Spitze des Sporenschwanzes in eine fadenförmige unverästelte oder verästelte Röhre aus, welche stellenweise in Knoten oder Kugeln anschwillt, die neue Brut in allen Graden der Entwicklung einschliesst, und endlich auch selbst vom Sporenschwanz abfällt (Sporonema)"; 1858d, 270 (cf. Sporocystis).

**SPORONEMATA** Dies., 1858d, 240.—See *Sporonema*.

**SPOROTHERIUM** Dies., 1858d, 240 (i. e. Redia Fil.).

**SPYRANURA** Mont., 1888a, 20, for *Sphyranura*.

**SQUALONCHOCOTYLE** Cerf., 1899a, 347, 373, 420, 440, 445, 446, 454–455, 456 (type borealis, designated by Cerf. in correspondence with Stiles, Jan. 21, 1907).—Mont., 1903, 336 (subf. *Onchocotylinæ*).

*abbreviata* (Ols., 1876) Cerf., 1899a, 375, 380, 382, 460, pl. 19, fig. 3 (syn. *Onchocotyle abbreviata* Ols.) (in *Acanthias vulgaris*; Roscoff).

*borealis* (Ben., 1853) Cerf., 1899a, 374, 379–380, 382, 421, 422, 423, 424, 427, 428, 431, 433, 434, 436, 443, 444, 446, 456–457, pl. 18, fig. 13, pl. 19, fig. 7, pl. 20, figs. 13, 14, pl. 21, fig. 16 (syn. *Onchocotyle borealis* Ben.) (in *Scymnus borealis*; Liège).—Odhn., 1905, 372 (syn. *Onchoc. bor.* Ben.).

*canis* Cerf., 1899a, 375, 380, 382, 398, 406, 410, 433, 443, 447, 450, 458–459, pl. 18, figs. 1, 2, 7, 12, pl. 19, fig. 2, pl. 20, fig. 12, pl. 21, figs. 2, 6, 10 (in *Galeus canis*; Roscoff).

*grisea* Cerf., 1899a, 376, 381, 383, 461, pl. 19, fig. 8 (syn. *Onchocotyle appendiculata* Tasch., 1879) (in *Hexanchus griseus*).

*spinacia* (Goto, 1894) Cerf., 1899a, 376, 380–381, 383, 404, 417, 419, 424, 460–461, pl. 19, fig. 4 (syn. *Onchocotyle spinacia* Goto) (in *Spinax* sp.).

*vulgaris* Cerf., 1899a, 375, 379, 382, 403, 406, 409, 419, 427, 437, 438, 444, 446, 450, 457–458, pl. 18, figs. 3, 4, 9, pl. 19, fig. 1, pl. 20, figs. 5, 8–11, pl. 21, figs. 3, 5, 7, 9 (syns. *Polyst. appendiculatum* of Thaer, 1850; *Onchocotyle emarginata* of Sons., 1890) (in *Mustela vulgaris*).

**STEGANODERMA** Staff., 1904, May 3, 486–487 (m. *formosum*) (*στεγανός*=covered).

*formosum* Staff., 1904, May 3, 486–487 (t. h. *Hippoglossus hippoglossus*; Canada.) (*formosus*, well formed).

**STENAKRON** Staff., 1904, May 3, 487 (m. *vetustum*) (*στενός*=narrow; *ἄκρον*=end).

*vetustum* Staff., 1904, May 3, 487 (in *Hippoglossus hippoglossus*; Hemitripterus americanus), based on Linton, 1901, 485, pl. 32, fig. 359, pl. 33, figs. 360–362, in *Limanda ferruginea*; Woods Hole) (*vetustus* old).

**STENOCOLLUM** Staff., 1904, May 3, 487 (m. *fragile*); *στενός*, narrow; *collum*, neck.

*fragile* (Lint., 1900) Staff., 1904, 487 (in *Mola mola*).

**STEPHANOCHASMUS** Looss, 1900, Dec. 3, 603 (=Stephanostomum Looss, 1899 [not *Stephanostoma* Danielson & Koren] renamed, hence type cesticillus); 1901b, 199; 1901e, 595, 597–605, 628, 629, 634, 654–661; 1901f, 1902g; 1902m, 441, 780, 808, 838.—Braun, 1901a, 34; 1902b, 30.—Odhn., 1902, 37; 1902, 155, 159; 1905, 331.—Pratt, 1902, 888, 895.

1899: *Stephanostomum* Looss, 1899b, 576 (tod. cesticillus), not *Stephanostoma* Danielson, 1880, worm.

*baccutus* Nicoll, 1907, 72, 80–83, pl. 2, figs. 5–7 (in *Hippoglossus vulgaris*; Scotland).  
*bicoronatus* (Stoess., 1883) Looss, 1901e, 599–601, 604, fig. 2 (in *Umbrina cirrhosa*, *Corvina nigra*).

*caducus* Looss, 1901e, 603–604, fig. 4 (in *Gadus minutus*, *Lophius piscatorius*; apparently Triest).—Nicoll, 1907, 81.

*cesticillus* (Mol., 1858) Looss, 1901e, 598–599, 601, 604, fig. 1 (in *Lophius piscatorius*).—Nicoll, 1907, 80, 81, 82, 83.

*histrix* (Dies., 1850, for *hystrix* Duj., 1845) Staff., 1904, May 3, 485 (on fins of *Pseudopleuronectes americanus* Walb., and in cysts free in stomach of *Lophius piscatorius* containing 2 partially digested *Limanda ferruginea*).

*minutus* Looss, 1901e, 604–605 (in *Uranoscopus scaber*; apparently Triest).—Nicoll, 1907, 83.

*pristis* (Delongchamps, 1824) Looss, 1901e, 601–603, 604–605, figs. 3, 5 (in *Gadus euxinus*, *G. minutus*, *Motella vulgaris*).—Nicoll, 1907, 80.

*sobrinus* (Levin., 1881) Staff., 1904, May 3, 485 (in rectum of *Hemitripterus americanus*, *Cryptacanthodes americanus*, *Lycodes* sp.; Canada).—Odhn., 1905, 331 (syn. *Dist. sobrinum*).

**STEPHANOPHARYNX** Fischder., 1901, 370 (m. compactus); 1902a, 24; 1903h, 492 (Paramphistominae), 551.—Looss, 1902m, 835.—Pratt, 1902, 887, 892.—Shipley, 1905, v. 6 (1), 8.

*compactus* Fischder., 1901, 370 (in *Bos taurus*); 1902a, 24–26, fig. 2 (in *Bos taurus*; Africa); 1903h, 493, 496, 566, 567, 584.

**STEPHANOPRORA** Odhn., 1902, 22–24 (m. ornata), fig. 1.—Pratt, 1902, 888, 895 (key).

*ornata* Odhn., 1902, 22–24, fig. 1 (in Nilkrokodil).

**STEPHANOSTOMUM** Looss, 1899b, 576–577, 579, 582, 583, 590, 596 (tod. cesticillus) [not *Stephanostoma* Danielsen, 1880. Vermes), *ὁ στρέφαρος*, Stirnkrone, Kranz; 1900, 603 (renamed *Stephanochasmus*); 1901, 595.—Braun, 1901b, 34; 1901i, 55.—Luehe, 1900, 489.—Rud., 1801a, 58.—Stiles, 1901, 189.

*cesticillus* (Mol., 1858) Looss, 1899b, 576, 582, 696–698, figs. 21–22 (in *Lophius piscatorius*; Naples).

*hystrix* (Duj. of Olss.) Looss, 1899b, 576, 582.

*lyda* (Stoss., 1896) Looss, 1899b, 576, 582.—Type of *Dihemistephanus* 1901.

*priatis* (Deslongchamps, 1824) Looss, 1899b, 576, 582, 697.

*sobrinum* (Levin., 1881) Looss, 1899b, 576, 582.

**STERELMINTHA** Owen, 1835, 390.—Aitken, 1872, 146, 178–207; 1874, 57.—Baird, 1853a, 39 (pars=Trematoda).—Dunglison, 1893, 820, 1039.—Mont., 1888a, 84.—Sieb., 1839, 153.—Tasch., 1879, 234.

**STERINGOPHORUS** Odhn., 1905, 309 (tod. furciger).

*furciger* (Olss., 1868) Odhn., 1905, 301, 305–310, pl. 2, figs. 6–7 (in *Pleuronectes limanda* and *Drepanopsetta platessoides*; on Swedish west coast; *Cottus scorpius*, *Gymnocranthus ventralis*, *Lycodes pallidus*; East Greenland).—Nicolli, 1907, 72, 183 (in *Pleuronectes limanda*).

**STERRHURINAE** Looss, 1907, 599–600, subf. of *Hemiuridae*, contains: 1. *Sterrhurus*, 2. *Lecithochirium*, 3. *Synaptobothrium*, 4. *Plerurus*.

**STERRHURUS** Looss, 1907, 600 (tod. musculus).

*fusiiformis* (Luehe, 1901) Looss, 1907, 602 (in *Conger conger*).

*grandiporus* (Rud., 1819) Looss, 1907, 601–602 (in *Murena helena*; Naples).

*imocarus* Looss, 1907, 601 (in *Thynnus* sp. (? thunnina); Alexandria, Egypt).

*musculus* Looss, 1907, 600–601 (in *Anguilla vulgaris*, *Dentex vulgaris*; Trieste; also in *Acipenser sturio*, *Gadus euxinus*, *Gobius jozo*, *Labrax lupus*, *Lichia amia*, *Lophius piscatorius*, *Ophidium barbatum*, *Pagellus erythrinus*, *Rhombus maximus*, *Serranus cabrilla*, *Trachinus draco*; Trieste).

**STICHOCOTYLE** Mont., 1892, Oct. 7, 176, for *Stichocotyle*.

**STICHOCOTYLE** Mont., 1888a, 9, for *Stichocotyle*.

*nephropis* (Cunningham, 1884) Mont., 1888a, 9, for *Stichocotyle nephropis*.

**STICHOCOTYLE** Cunningham, 1884a, July 12, 399 (m. *nephropis*); 1887a, 273–280, figs. 1–6.—Brand., 1898a, 213 [21].—Braun, 1892, 47; 1892a, 571, 581, 660, 672; 1893a, 892.—Hoyle, 1890, 539.—Jackson, 1888, 645, 646.—Mont., 1888a, 16, 31, 32, 42, 43, 44, 45, 46, 47, 91, 107; 1892, Oct. 7, 176, 196, 198; 1893, 20, 36, 37.—Nickerson, 1901, Mar. 8, 378 (*Aspidobothridae*); 1902, 603, 604, 607, 609, 610, 612, 614, 615, 616, 617.—Odhn., 1902, 44, 45.—Pratt, 1902, 887, 891.

1888: *Stichocotyle* Mont., 1888a, 9, misprint.

1892: *Stichocotyle* Mont., 1892, 176, misprint.

*nephropis* Cunningham, 1884a, 399 (in *Nephrops norvegicus*; Firth of Forth); 1887a, 273–280, pl. 39, figs. 1–6.—Braun, 1892a, 571.—Jackson, 1888, 642.—Jägers., 1899, 202.—Mont., 1888a, 9 (*Stichocotyle*), 12, 26, 38, 39, 80, 89; 1893, 36, 48.—Nickerson, 1895, 447–480, pls. 29–31 (in American lobster); 1895, 634–635; 1902, 614, 617 (in *Raja* sp.; Europe, N. America).—Odhn., 1898, 509–513 (sexual form).—Rossbach, 1906, 374.

**(STICHORCHIS)** Fischder., 1901, 373 (tod. *giganteus*), subg. of *Cladorchis*; 1902a, 41 (type *giganteum*).—Looss, 1902m, 836.—MacCallum, 1905b, 668.

*giganteus* (Dies., 1836d) Fischder., 1901, 373; 1902a, 41–42, 43 (in *Dicotyles albirostris*, *D. torquatus*).

*subtriquetrus* (Rud., 1814) Fischder., 1901, 373–374; 1902a, 35, 42–43 (syns. *Amphist. subtriquetrum* Rud., Dist. *amphistomoides* Boj.) (in *Castor fiber*); 1903h, 567.

**STICHORCHIS** (Fischder., 1901) Looss, 1902m, 439.

*subtriquetrus* (Rud., 1814) Looss, 1902m, 439.

STICTODORA Looss, 1899b, 671-672 (m. sawakinensis), *σικτικός*, punctuate; *ῥδορά*, skin; 1902m, 442.—Pratt, 1902, 890, 910.

*sawakinensis* Looss, 1899b, 672, 754-755, fig. 90 (in Laurussp.; Sawakin, Egypt, Jan.).

STOMYLOTREMA Looss, 1900, Dec. 3, 602 (=Stomylus Looss, 1899 [not Fæhr., 1871] renamed) (type *singulare*=*perpastum*).—Braun, 1901, 260; 1901, 896; 1902b, 85, 86, 91 (syn. Stomylus) (type S. *perpastum* Braun=*singulare* Mol. of Looss).—Odhn., 1902, 38.

1902: Stromplotrema Zool. Rec., 1902 (1901), v. 38, 53, Vermes, misprint.

*bijugum* Braun, 1901g, 896 (in Himantopus melanopterus Mey.; Brazil); 1902b, 91, fig. 53.

*fastosum* Braun, 1901g, 896 (in Caprimulgus sp., Squatarola helvetica; Brazil); 1902b, 90, fig. 52.

*perpastum* Braun, 1902b, 86, 88 (syn. Stomylus singularis of Looss, not Dist. *singulare* Mol.).

*pictum* (Crep., 1837) Braun, 1901, 896; 1902b, 86 (syns. Dist. *pictum* Crep., 1837, 313, 316; D. *singulare* Mol., 1861, 200).

[*singulare* (Mol., 1861, of Looss)].

*tagax* Braun, 1901g, 896 (in Hirundo versicolor Natt.; Brazil); 1902b, 90, fig. 51.

*vicarium* Braun, 1901, 896 (in Ibis cœrulescens Vieill.; Brazil); 1902b, 89, 90, fig. 1.

STOMYLUS Looss, 1899b, 629-630 (m. singularis) (*στρωτύλος*=Der ein gutes Mundwerk hat) [nec Stomylus Fähræus, 1871, coleopteron]; 1900, Dec. 3, 602 (renamed Stomylotrema).—Braun, 1902b, 85, 86, fig. 49 (syn. of Stomylotrema).

*singularis* (Mol., 1861, of Looss) Looss, 1899b, 596, 630, 723-725, figs. 42-43 (in Glareola pratincola; Dachschur).—Braun, 1901, 260; 1901, 896; 1902b, 86, 88 (syns. Stomylotrema *perpastum*, not Dist. *singulare* Mol.).

STRIGEA Abildg., 1790a, 37, pl. 5, a-c (m. strigis), mentions only Gœze, 1782a, 174, pl. 14, figs. 4-6 (=strigis).—Baird, 1853 (=Holost. macrocephalum).—Brand., 1888a, 9.—Braun, 1893a, 884, 894, 902.—Cuv., 1817, 41.—Deslongchamps, 1824yy, 701; 1829c, 677.—Dies., 1850a, 307 (syn. Hemist. Dies.), 312 (syn. of Holost. *variabile*).—Fischder., 1901, 367; 1902a, 6 (renamed Amphistoma by Rud.), 7 (m. strigis Gœze, 1782a, =Amphist. macrocephalum Rud., 1809, =Holost. macrocephalum Nitzsch, 1819) ("if again made valid=Holost., while Amphist. must receive a new name"); 1903h, 487, 490.—Linst., 1905, 191.—Looss, 1902m, 438, 439, 746, 756.—Luehe, 1901, 175.—Rud., 1801a, 59; 1809a, 21.—Shipley, 1905, v. 6 (1), 7 (type Holost. macr.).

1801: Amphistoma Rud., 1801a, 50 (Strigea renamed).

1819: Holostomum Nitzsch, 1819, 399-401, type by inclusion *variabile*=*strigis*.

*anatis tadornæ* Viborg, 1795, 196.—Dies., 1850a, 313 (syn. of Holost. *erraticum*).—Rud., 1809a, 352 (to Amphist.).

*candida* Mueller (or Abildg.), 1806a, v. 4, 32, pl. 143, fig. C, 1-2.—Dies., 1850a, 313 (syn. of Holost. *erraticum*).—Olfers, 1816, 48.—Rud., 1814a, 100 (renamed Amphist. *isostomum*).

*cervi* (Schränk, 1790) Rail., 1893a, 376.—Stiles, 1898a, 64.

*falconis palumbi* Viborg, 1795, 243.—Baird, 1853a, 47 (=Holost. macrocephalum).—Dies., 1850a, 309 (syn. of Hemist. *spathula*).—Rud., 1809a, 352 (to Amphist.).

*longicollis* (Duj. [Rud., 1819]) Luehe, 1905, 215 (syns. Echinorhynchus *gazæ*, Gmelin, Zed.; E. *ardæ albæ* Rud.; E. sp. Mueller).

STROMPLOTREMA Zool. Rec., 1902 (1901), v. 38, 53 Vermes, for Stomylotrema.

STYPHLODORA Looss, 1899b, 592, 593, 594, 633 (tod. *serrata*) (*στυφλόδος*=rough; *ῥδορά*=skin); 1901, 560; 1902m, 505, 506, 507 (diagnosis), 512, 514, 821.—'ohn, 1902, 882.—Odhn., 1902, 27, 40, 42.—Pratt, 1902, 888, 899.

1902: Styphlodora Looss, 1902m, 872, misprint.

*serrata* Looss, 1899b, 592, 707-708, 709, fig. 28 (in Varanus niloticus; Zool. Inst., Leipzig).—Luehe, 1900, 561.

*solitaria* Looss, 1899b, 592, 708-709, fig. 29 (in Thalassochelys corticata; Abukir); 1902m, 505, 506-507, 511, 517, 872, pl. 24, fig. 40.—Luehe, 1900, 560, 561.—Pratt, 1903, 25 (Styphlodora), 33, to (Renifer).

SUBCLAVATA Gœze, 1782, 41, 169, 178-179 (a "Klasse" of Plan. Gœze, 1782, containing Fasc. *subclavata* Pallas).



- SYNAPTOBOTHRIUM** Linst., 1904, 254 (m. copulans).—Odh., 1906, 59–66, figs. 1–2 (syn. of *Lecithochirium* Luehe, 1901, 473).  
*caudiporum* (Rud., 1819) Looss, 1907, 604 (in *Zeus faber*; Trieste; also in *Caranx trachurus*, *Lophius piscatorius*, *Plateea paseer*, *Rhombus laevis*, *R. maximus*, *Scomber colias*; Trieste).  
*copulans* Linst., 1904, 254, figs. 1–4 (in *Arnoglossus laterna*; ?Louvain); 1906, 751.—Odh., 1906, Apr. 3, 59–66, figs. 1–2 (to *Lecithochirium*).
- SYNCELIINÆ** Looss, 1899b, 544, 642, 645, 646; 1901, 208 (includes: *Syncelium*, *Progonus*, *Otiotrema*).—Fuhrmann, 1904, 61 (*Syncoliinæ*).—Odh., 1905, 366.—Pratt, 1902, 889, 905 (includes: *Progonus*, *Syncelium*, *Otiotrema*; related genera *Halipegus*, *Accacelum*, *Eurycelum*).  
1904: *Syncoliinæ* Fuhrmann, 1904, 61, for *Synceliinæ*.
- SYNCELIUM** Looss, 1899b, 643–644, 645, 646 or 647, 741, 742, 743 (m. *ragazzii*); 1901, 208, 209, 210; 1902m, 642, 813.—Braun, 1902b, 23.—Fuhrmann, 1904, 61.—Luehe, 1901, 481, 482, 486.—Odh., 1905, 366.—Ofenheim, 1900, 160.—Pratt, 1902, 889, 905.  
*ragazzii* (Setti, 1897) Looss, 1899b, 644, 731–736, 737, 738, 743, 746, figs. 50, 62, 63–68 (in *Lamna* sp.; Sawakin).—Darr, 1902, 661.—Luehe, 1901, 481.
- SYNCOLIINÆ**, see *Synceliinæ*.
- TAPHROGONIMUS** Cohn, 1904, 235–237 (m. *holostomoides*).  
*holostomoides* (Mehlis, 1846) Cohn, 1904, 235–237 (syn. *Monostomum pingue* Crep., 1843; Braun, 1893a, 915; Brand., 1892, 504–511).—Reported for *Podiceps cristatus*.
- (TAXORCHIS)** Fischder., 1901a, 373 (tod. *schistocotyle*); 1902a, 39–40; 1903h, 498.—Looss, 1902m, 836 (as genus).  
*schistocotyle* Fischder., 1901a, 373 (in *Dicotyles torquatus*); 1902a, 40–41 (syn. *Amphist. giganteum* Dies., e. p.).
- TELORCHINÆ** Looss, 1899b, 569.—Braun, 1901b, 20.—Pratt, 1902, 888, 895 (includes *Telorchis*, *Orchidasmus*; related genus *Deropristis*).
- TELORCHIS** Looss, 1899b, 566–569, 614 (tod. *linstowi* = ? *aculeatus*); *τηλοϋ, τηλε*, in der Ferne; *ορχις*, testes; 1900, 608.—Braun, 1900, 234.—Stiles, 1901, 183, 185.—See also *D. ercolanii*, *D. poirieri*, *D. nematoides*, *D. arrectum*.
- TELORCHIS** Luehe, 1899, 529, 530 (tod. *clava*); 1900, 556, 566; 1901, 488.—Braun, 1900, 390; 1901b, 13, 14, 17, 19, 20, 21, 26, 30, 34; 1901i, 56, 58.—Looss, 1901, 207; 1902m, 824, 831, 832, 834, 839.—Pratt, 1902, 888, 895.  
*aculeatus* (Linst., 1879) Braun, 1901b, 14–17 (syn. *Dist. linstowi* Stoss.), 19, fig. 4.—Stoss., 1904, 4, 5, 6, 8 (in *Testudo græca*; Albania).  
*arrectus* (Duj. of Mol., 1859) Stoss., 1904, 9 (in *Podarcis muralis*; Italy).  
*angustus* Staff., 1905, Apr. 11, 690 (in *Chrysemys picta*; Canada), misprint for *angustum* (Dist.), 1900.  
*bifurcus* (Braun, 1899) Braun, 1901, 18–19, 30, fig. 2.—Heymann, 1905, 95 to (*Cercorchis*).—Stoss., 1904, 9 (*Testuggini d'acqua dolce*; Brazil).  
*clava* (Dies., 1850) Luehe, [1899, 529:] 1900, 566.—Looss, 1900, 608; 1901, 207; 1902m, 831.—Odh., 1900, 17.—Stoss., 1904, 9 (in *Eunectus scrytale*; Brazil).  
*ercolanii* (Mont., 1893) Braun, 1901b, 16.—Rizzo, 1902, 28 (syn. *Dist. monticelli*) (in *Tropidonotus natrix*; Catania).—Stoss., 1904, 4, 5–6 (syn. *T. nematoides*) (syn. *Dist. ercolanii*) (in *Trop. nat.*, *T. viperinus*; Italy).  
*linstowi* (Stoss., 1890) Looss, 1899b, 566 (type of *Telorchis* Looss, not Luehe).—Braun, 1901b, 14 (syn. of *aculeatus*).—Luehe, 1900, 566 to (*Cercorchis*, type).—Stoss., 1904, 3, 4.  
*nematoides* (Mueh., 1898) [Luehe, 1899, 529.—] Braun, 1901b, 16.—Looss, 1899b, 567.—Odh., 1900, 17.—Stoss., 1904, 4, 6 (syn. *T. ercolanii*) (in *Tropidonotus natrix*; Germany).  
*parvus* Braun, 1901b, 19–20, fig. 3 (in *Testudo orbicularis*; Vien. Mus.).—Heymann, 1905, 95, to (*Cercorchis*).—Stoss., 1904, 9 (in *Cistudo lutaria*).  
*pleroticus* (Braun, 1901) Braun, 1901b, 17–18, fig. 5.—Heymann, 1905, 95, to (*Cercorchis*).—Stoss., 1904, 9 (in *Testuggini d'acqua dolce*; Brazil).  
*poirieri* (Stoss., 1895) Odhn., 1902, 31.—Heymann, 1905, 95, to (*Cercorchis*).—Stoss., 1904, 3–5, fig. 2 (syns. *Dist. gelatinosum* Rud. of Poir., 1885, *D. poirieri*) (in *Cistudo lutaria*; Italy and France; in *Emys orbicularis*; Sassari, Sardinia).  
*solivagus* Odhn., 1902, 29–32, fig. 2 (in *Clemmys caspica*).—Stoss., 1904, 9 (in *Cl. casp.*; Caucasasia).

**TELORCHIS (CERCORCHIS)** Heymann, 1905, 94, sp. (in *Dermatemys mavii*).

**TEMNACEPHALE** Cosmovici, 1887a, 127 (for *Temnocephala*).

**TEMNOCEPHALA** E. Bl., 1849, 51-52 (m. chilensis).—Bettend., 1897a, 8; 1897, 312.—R. Bl., 1888, 137, 138 (m. chilensis) (on écrevisses; Chili), g. of Branchiobdellides.—Brand., 1891d, 13, 24, 27, 28, 29.—Braun, 1889k, 620, 621; 1890a, 408, 412, 422, 424, 425, 429, 430, 435, 436, 437, 440, 442, 444, 445, 447, 451, 456, 458, 461, 465, 466, 468, 469, 470, 471, 472, 475, 479, 481, 482, 485, 490, 491, 497, 499, 510, 511, 512, 517, 520, 521, 522, 523, 525, 1890b, 84-90, 125-128; 1890e, 595; 1893a, 889; 1893b, 179; 1895b, 25; 1906, 129.—Buttel-Reepen, 1900a, 590.—Chilton, 1888, 252; 1889a, 252-253 (on crayfish in New Zealand).—Cosmovici, 1887a, 127 (Temnacephale).—Darr, 1902, 649, 678.—Gamb., 1896a, 4, 56, 73.—Graff, 1903.—Haswell, 1887a, 279-302, pls. 20-22; 1888a, 50-51; 1888, 279-302; 1892a, 457ff; 1892b, 149-151; 1892c, 486; 1892d, 360-362 (integument); 1893, 455-460; 1893c, 342; 1893d, 477; 1893e, 93ff; 1893f, 153, 154, 155, 156; 1894, 93-152.—Kathariner, 1894a, 132, 134.—Looss, 1894a, 219; 1895, 36.—Maclaren, 1904, 582, 601.—Mont., 1888a, 10, 15, 17, 18, 22, 27, 33, 34, 35, 36, 38, 39, 42, 43, 44, 45, 47, 48, 49, 50 (Temnocephala), 51, 52, 53, 54, 56, 57, 58, 64, 66, 67, 86, 88, 98, 110; 1889b, 4pp., 3 figs.; 1891, 1892, 100, 108, 109, 110, 128, 129; 1892, Oct. 7, 186, 213 cg. of Temnocephalidae; 1893, 8, 9, 114, 211; 1899, 72-122 (107 Temnocephala); 1905f, 21-24, 2 figs. (in *Sesarma gracilipes*; New Guinea); 1905h, 402-403.—Plate, —, 187-191.—Pratt, 1900a, 646, 647 (key), 658.—Roewer, 1906, 207, fig. 4.—St.-Remy, 1898, 522, 524-525.—Schuberg, 1895, 180.—Semper, 1872, 304.—Vayssiere, 1892, July 4, 64-65; 23 pp., 1 pl. (on *Astacoides madagascariensis*); 1894, 16 Mar., 389.—Wacke, 1902, 34 pp.; 1903, 12 May, in 1-116, pls. 1-9, figs. 1-75; 1903, Aug., 2481; 1903, 17 Oct., 17-18; 1904, 17 May, 281; 1905, July, 64.—Weber, 1889, 1-20, 3 pls.

1887: *Temnacephale* Cosmovici, 1887a, 127 (for *Temnocephala*).

1888: *Temnocephala* Mont., 1888a, 50 (for *Temnocephala*).

1889: *Temnocephala* Mont., 1889, 107, misprint.

*aurantiaca* Haswell, 1900, 431, 433, pl. 22, fig. 3 (in *Astacopsis* sp.).

*azenos* Mont., 1898, —; 1899, 83, 84, 101, 102, 103, 104, 112, 114, 120, pl. 3, figs. 9, 10 (host not known; Brazil).—Cerf., 1899a, 448.

*bifasciata* Haswell.—Mont., 1889, 2.

*brevicornis* Mont., 1889, 1-4, figs. 1-3 (in *Hydromedusa maximiliani*, *Hydraspis radiolata*; Brazil (syn. *Pentadion emydum* Kroyer MS.); 1892, 110; 1893, 8, 114; 1899, 72-127, 2 pls.; 1899, 72-122, pl. 3, figs. 1-8, 11-18, pl. 4, figs. 19-33 (in *Hydraspis gibba*; Brazil; *Hydromedusa maximiliani*, *H. tectifera*); 1903, 2.—Brand., 1891d, 21, 24, 25.—Braun, 1890a, 525, 547, 552.—Cerf., 1899a, 448.—Haswell, 1892d, 361; 1893e, 94, 103, 104, 105, 112, 141 (in *Hydrom. maxim.*, Brazil; *Hydropsis radiolata*); 1900, 433, 434.—St.-Remy, 1898, 528.

*cæca* Haswell, 1900b, 432, 433, pl. 22, fig. 4 (in *Phreatoicopsis* n. sp.; Victoria).

*chilensis* (Moquin-Tandon) E. Bl., 1849, 51-52, pl. 2, fig. 6 ("en las branquias de los cangrejos de Chile").—Braun, 1890a, 499, 525, 547, 549; 1891d, 421.—Cerf., 1899a, 448.—Haswell, 1887a, 279, 284 (of Gay); 1893e, 96, 131, 140 (in *Æglea*; Chile).—Mason, 1875a, 336-337.—Mont., 1888a, 88 (of Blainv.); 1889, 2; 1889q, 125-133, figs. 1-13; 1889r, 9 pp., 13 figs.; 1891, 1892, 128, 129; 1890a, 500-501; 1891g, 44-45; 1892, Oct. 7, 186; 1893, 114; 1899, 72, 73, 76, 78, 79, 80, 81, 83, 84, 85, 93, 101, 102, 107, 108, 109, 111-113 (chilensis), 114, 120 (in *Æglea laevis*; Chile) (of Moquin-Tandon); 1899, 125-133, figs. 1-13; 1899, 9 pp.; 1903, 2.—Philippi, 1870, 35-40.—Plate, 1894, 686-687; —, 529-531; 1897, 213.—St.-Remy, 1898, 525.—Wacke, 1903, May 12, in 1-116, 9 pls., 14 figs.; 1903, 17 Oct., 17-18; 1905, July, 64.—Wood, 1875, 336-337.

*chilensis* Mont., 1899, 113, for *chilensis*.

*comes* Haswell, 1893e, 96, 98, 100, 123, 134, 138, pl. 13, figs. 15, 16 (in *Astacopsis serratus*); 1900, 433.—Mont., 1899, 83, 110, 114, 121 (in *Ast. serr.*; Australia, N. S. Wales).—St.-Remy, 1898, 525.

*dendyi* Haswell, 1893e, 96, 97, 98, 99, 100, 102, 105, 111, 115, 116, 122, 123, 124, 125, 126, 130, 135-136, 144, pl. 10, figs. 8, 12, 17, 18, pl. 11, figs. 5, 6, pl. 12, figs. 7, 11, pl. 13, figs. 1-11 (in *Astacopsis bicarinatus*); 1900, 433.—Mont., 1899, 83, 84, 93, 110, 114, 121 (in *Ast. bic.*; Australia, N. S. Wales, Victoria).—St.-Remy, 1898, 527.

*digitata* Mont., 1903a, 309 (in *Palemonetes argentinus*); 1903, 3; 1905g, July, 64.

## TEMNOCEPHALA—Continued.

*engaei* Haswell, 1893c, 97, 124, 139–140, pl. 13, fig. 20 (in *Engaeus fossor*; Gippsland).—Mont., 1899, 83, 114, 121 (in *Engaeus fossor*; Australia, Gippsland) (*engei*).—St.-Remy, 1898, 528.

*engei* Mont., 1899, 83, 114, 121 (for *engei*).

*fasciata* Haswell, 1887a, 284, 285, 293, 296, pl. 20, figs. 1, 2, pl. 21, figs. 1–7, 9–13, pl. 22, figs. 1–7, 11–18 (in *Astacopsis serratus*; N. S. Wales) (286, *fasciatus*); 1888a, 50 (in *Ast. serr.*; N. S. W.); 1892d, 361; 1893e, 96, 98, 99, 100, 102, 104, 106, 107, 109, 110, 111, 115, 118, 119, 121, 122, 123, 124, 126, 131, 133–134, 135, 136, 137, 138, pl. 10, figs. 1–3, 5, 6, 13, 14, 15, 16, pl. 11, fig. 2, 3, 4, 7, 8, 9, pl. 12, figs. 1, 3, 4, 5, 6, pl. 13, figs. 12–14, pl. 14, fig. 1 (*Asta. serr.*): 1900, 433, pl. 22, fig. 5.—Brand., 1891d, 24.—Braun, 1890a, 409, 422, 465, 525, 547, 549.—Mont., 1888a, 53, 88; 1891, 1892, 129; 1893, 114, 1899, 83, 92, 93, 97, 99, 102, 103, 110, 114, 120 (in *Ast. serr.*; Australia, N. S. Wales).—St.-Remy, 1898, 525, 527.

*fasciatus* Haswell, 1887a, 286, for *fasciata*.

*jheringii* Mont., 1899, 79, 83, 84, 85, 109, 111, 112, 114, 120 (for *jheringii*).

*jheringii* Haswell, 1893c, 96, 100, 102, 112, 113, 121, 130, 137–138, 140, pl. 13, fig. 19, pl. 15, fig. 2 (in *Ampullaria*; Brazil).—Cerf., 1899a, 448.—Mont., 1899, 79, 83, 84, 85, 109, 111, 112, 114, 120 (*jheringii*) (in *Ampullaria* sp.; Brazil).—St.-Remy, 1898, 527–528.

*madagascariensis* Vayssière (1892), 64–65; 1894.—Braun, 1893b, 183.—Cerf., 1899a, 449.—Haswell, 1893c, 141 (in *Astacoides madagascariensis*).—Mont., 1899, 76, 79, 82, 83, 91, 93, 101, 103, 114, 115–116.—St.-Remy, 1898, 528–529 (on *Ast. mad.*; Madagascar).

*mexicana* Vayssière, 1898, 227–235, 1 pl. (on *Cambarus digneti*); 1898, 17–25, pl. 11.—Cerf., 1899a, 448.—Mont., 1899, 79, 83, 85, 101, 103, 106, 114, 120 (in *Cambar. dig.*; Mexico).—Pratt, 1900a, 655, 657, 658 (key), fig. 1.

*microdactyla* Mont., 1903b, 1–3; 1905b, Jan. 31, 22 (in *Dilocarcinus septemdentatus*; Matto Grosso).

*minor* Haswell, 1887a, 284, 285, 296, pl. 20, fig. 4, pl. 21, fig. 8, pl. 22, fig. 9 (in *Astacopsis bicarinatus*; N. S. W.); 1888a, 50 (in *Ast. bicar.*; N. S. W.); 1893e, 95, 96, 98, 99, 100, 101, 102, 109, 110, 116, 121, 123, 126, 131, 134, 135, 136, 137, 139, 141, 142, 144, pl. 12, figs. 2, 8, 9, pl. 15, fig. 1 (in *Asta. bicar.*): 1900, 433.—Braun, 1890a, 525, 547, 549.—Mont., 1888a, 53, 88; 1889, 3; 1899, 83, 93, 99, 101, 110, 114, 120 (in *Ast. bicar.*; Australia, N. S. Wales, Victoria).—St.-Remy, 1898, 526–527, 528, 529.

*novæ zelandiæ* Haswell, 1888a, 50, for *novæ zelandiæ*.

*novæ-zelandiæ* Haswell, 1887a, 284, 293, 296, 298, pl. 22, figs. 10, 19 (in *Paranephrops setosus*; New Zealand); 1888a, 50 (in *Para. setosus*; N. Zea.) (*novæ zelandiæ*); 1892a, 459; 1893e, 96, 97, 98, 99, 100, 109, 110, 115, 116, 121, 130, 131, 138–139, 145, pl. 10, figs. 4, 7, 11, pl. 11, fig. 1, pl. 13, figs. 17, 18, pl. 14, figs. 2, 3 (in *Para. neozealanicus*, *P. planifrons*; New Zealand); 1900, 433.—Braun, 1890a, 525, 547, 550.—Gamb., 1896a, 54, figs. 20, 21.—Maclaren, 1904, 582, 583, 596.—Mont., 1888a, 98; 1889, 3; 1899, 83, 86, 92, 101, 103, 105, 109, 110, 114, 121 (in *Para. novæ-zelandicus*, *P. setosus*; New Zealand).—St.-Remy, 1898, 526 (*novæ-zelandiæ*).—Wacke, 1903, 12 May, 1–116; 1903, 17 Oct., 17–18; 1905, July, 64.—Ziegler, 1905, 40, fig. 4 (after Wacke, 1903).

*quadricornis* Haswell, 1887a, 284, 296, pl. 20, fig. 3, pl. 22, fig. 8 (in *Astacopsis franklinii*; Tasmania); 1888a, 50 (in *Asta. frank.*; Tasmania); 1893e, 96, 98, 100, 101, 102, 109, 110, 120, 121, 124, 131, 136–137, pl. 12, fig. 10, pl. 14, fig. 4 (in *Asta. frank.*; Tasm.); 1900, 433.—Braun, 1890a, 409, 525, 547, 549.—Mont., 1888a, 10, 53, 88; 1889, 3; 1899, 83, 101, 114, 117, 120 (in *Asta. frank.*; Australia, Tasmania).—St.-Remy, 1898, 526.

*semperi* Weber, 1889, —.—Braun, 1890a, 461, 466, 499, 525, 547, 550; 1890b, 126; 1898a, 1567.—Cerf., 1899a, 449.—Haswell, 1892a, 458; 1893e, 96, 97, 98, 99, 102, 112, 113, 115, 119, 122, 123, 128, 129, 130, 131, 138, 140 (in Philippines); 1900, 433.—Mont., 1891, 1892, 129 (*semperii*); 1893, 114; 1899, 73, 76, 77, 78, 79, 82, 83, 87, 91, 96, 99, 102, 103, 107, 108, 109, 112, 114, 121 (in *Telphusa* sp.; Philippine, Sonda).—St.-Remy, 1898, 528.

*semperii* Mont., 1892, 129, for *semperi*.

*tasmanica* Haswell, 1900, 430–431, 433, pl. 22, figs. 1–2 (in *Astacopsis tasmanicus*).

*tumbesiana* Wacke, 1903, 12 May, 1–116; 1903, 17 Oct., 17–18; 1905, July, 64.

- TEMNOCEPHALÆ** Mont., 1888a, 19, 88, 96, for *Temnocephalæ*.
- TEMNOCEPHALÆ** Haswell, 1892a, 457-460; 1893b, 191; 1893e, 93-152 (monograph); 1893f, 153, 154, 155, 157; 1894b, 256; 1900, 430-435, 1 pl. (*Temnocephalæ*).—Braun, 1890a, 517, 520, 523, 524.—Cerf., 1894, 946, 948; 1898b, 361.—Mont., 1888a, 19, 88, 96 (*Temnocephalæ*), 7, 9, 10, 11, 13, 15, 16, 17, 18, 19, 20 (*Temnocephalæ*), 22, 23, 26, 27, 28, 29, 31, 34, 36, 41 (*Temnocephalæ*), 42, 47, 52, 55, 59, 64, 67, 86, 88, 98, 108, 110.
- TEMNOCEPHALIDÆ** Haswell, 1888.—Braun, 1890a, 524; 1893a, 889.—Gamb., 1896, 53-55, 73.—Mont., 1888a, 25, 27; 1892, Oct. 7, 213 (fam. of *Eterocotylea*; contains *Temnocephala*); 1899, 116-122.—Pratt, 1900a, 646 (*Temnocephalinæ*, *Actinodactynellinæ*) 647 (key).—St.-Remy, 1898, 522, 524.
- TEMNOCEPHALINÆ** Mont., 1899, 118, 119.—Pratt, 1900a, 646 (*Temnocephala*, *Craspedella*, *Dactylocephala*), 647 (key).
- TEMNOCEPHALOIDEA** Mont., 1905, 403.
- TEMNOCEPHOLEÆ** Mont., 1888a, 41 (for *Temnocephalæ*).
- TENMOCEPHALÆ** Mont., 1888a, 20 (for *Temnocephalæ*).
- TERES SEU CYLINDRICA** Gœze, 1782a, 41, 169, 173-176 (a "Klasse" of *Planaria* Gœze containing two "Gattungen": 1. Gattung, simpliciporo, der Entenplattwurm, Weideeulewurm; 2. Gattung, duplici poro, Iltis-Plattwurm, Dachs-Plattwurm).
- TERGESTIA** Stoss., 1899, 11, 16 (type probably *acanthocephala*).—Braun, 1901b, 34.—Looss, 1899b, 580.—Pratt, 1902a, 888, 898.
- acanthocephala* (Stoss., 1887) Stoss., 1899, 16 (in *Belone acus*).
- laticollis* (Rud., 1819) Stoss., 1899, 16 (in *Trachurus trachurus*).
- TESTUCARIA** Rud., 1805a, 44, for *Festucaria*.
- TETRACOTILE** Erc., 1881e, 48-54; 1882a, 284-290, for *Tetracotyle*.
- TETRACOTYLE** Fil. [1854a, 23 (*tétracotyle*);] 1855, 351; [tld. typica]; 1855b, 11; 1857c, 15-21, 32, pl. 2, figs. 24-31.—Brand., 1888a, 13, 14, 15, 41, 51, 52; 1890a, 571, 574, 575, 577, 578; 1892, 511.—Braun, 1892a, 658, 744, 792, 793, 794, 795; 1893a, 843, 844; 1893b, 187; 1894, 166; 1894k, 680, 681, 682; 1895b, 132, 136; 1900a, 1680.—Claparède, 1858a, 99-105, pl. 8; 1859c, 92-96.—Dies., 1855a, 381, 388; 1858e, 313, 365 (mentions only 1 form, typica), 366.—Erc., 1881e, 48-54; 1882a, 284-290 (*Tetracotile*).—Gamb., 1896a, 64.—Hausmann, 1897b, 4, 7, 20, 22, 36, pl. 1, figs. 9-10 (sp. in *Cobitis barbatula*).—Hoyle, 1890, 539 (larva of *Holost.*).—Jackson, 1888, 652 (non-sexual form of *Holost.*), 653, 654.—Luehe, 1899, 525.—Mont., 1888a, 71, 91, 92, 94; 1891, 110.—Moul., 1856a, 94, 151, 224-225, 234, 274, pl. 5, fig. 1, pl. 7, fig. 19.—Pag., 1857, 53; 1857, 1, 245-246.—Stiles, 1901, 173, 174.—Tasch., 1878, 248 (of Grube, syn. *Pleurocotyle* Gerv. & Ben.).—Villot, 1898, 542.
- acerinæ cernuæ* Claparède (1857).—Dies., 1858e, 367 (syn. of *T. echinata*) (in *Leuciscus idus*, *Acerina cernua*).
- colubri* Linst., 1877, 192, pl. 14, fig. 22 (in *Coluber natrix*, *Vipera berus*).—Brand., 1888a, 42, 44, 45, 54; 1890a, 572, 574, 581.—Braun, 1892a, 793, 796; 1893a, 870, 901; 1894, 166-167; 1894k, 682.—Muehl., 1898, 16.—Sons., 1893, 185 (in *Tropidonotus natrix* Wagl.).—Villot, 1898, 542 (larva of *Holost. variabile* Nitzsch).—Reported also for *Pelias berus*.
- crystallina* Sons., 1893, 188, for *crystallina*.
- crystallina* (Rud., 1819) Linst., 1877b, 194-197; 1878a (*Dist. crystallinum* Rud., 1819, ex parte).—Braun, 1892a, 796; 1893a, 871.—Sons., 1893, 188 (*cristallina*) (in *Rana temporaria*).
- cuticola* (Nord., 1832) Kowal., 1902d, 23 (5) (in *Scardinius erythrophthalmus*); 1904, 25 (10).
- cyprini idi* Moul., 1856, 233.—Dies., 1858e, 366 (syn. of *T. typica*).
- echinata* Dies., 1858e, 367 (new name for *Distoma cyprini idi* (peritonei), see Duj.; and *T. acerinæ cernuæ* Claparède; in *Leuciscus idus*; Remi; *Acerina cernua*; Geneva).—Braun, 1892a, 796.—Reported also for *Idus melanotus*.
- fætorii* Linst., 1876, 1-2, fig. 2 (in *Fætorius putorius*).—Braun, 1892a, 796.
- lenticola* (Linst., 1878) Braun, 1892a, 600.
- limnæi* Pag., 1857, 32-33, pl. 3, figs. 15-18 (t. h. *Lymnæus stagnalis*).—Dies., 1858e, 366 (syn. of *T. typica*).
- musculicola* (Waldenberg, 1860) Braun, 1894, 167.

## TETRACOTYLE—Continued.

*ovata* Linst., 1877b, 192–193, pl. 14, fig. 24.—Braun, 1892a, 600, 797; 1894, 166, 167; 1894k, 681, larva of *Holost. variegatum*, 682.—Mueh., 1898, 16.—Villot, 1898, 542 (larva of *Holost. variegatum*).—Reported for *Abramis brama*, *Acerina cernua*, *Blicca bjoerkna*.

*perca* Mont., 1888a, 7, 30.

*perca fluviatilis* Moul., 1856, 230–234, pl. 7, figs. 11–14.—Braun, 1892a, 600, 796; 1893a, 870.—Linst., 1877b, 192, pl. 14, fig. 23.—Dies., 1858c, 366 (syn. of *T. typica*).—Piana, 1898, 10 pp.

*petromyzontis* Brown, 1899a, 489–498, pl. 39, figs. 1–11 (in *Ammocætes*).

*scomberi* Grube, 1855a, 140, for ? *Octobothrium scomberi* Nord. of Grube, 1855a (on *Scomber scomber*).—Tasch., 1878, 575 (to *Pleurocotyle*); 1879, 248.

*soricis* Linst., 1877b, 191 (in *Sorex vulgaris*).—Braun, 1892a, 797.—Reported for *Sorex tetragonurus*.

*typica* Dies., 1858c, 366–367 (new name for *Dist. tarda*, *Tetracotyle* Fil., *T. cyprini* idi, *T. perca fluviatilis*, *T. lymnæi*) (reported for *Mollusca*; in *sporotheris* *Cercariæ echinatae* (*Lymnæi stagnalis*), *C. armatae*, *C. echinatoidis* (*Paludinae achatinae et viviparae*), *C. vesiculosæ*, *Malleoli furcati*, *Lymnæus stagnalis*, *Planorbis corneus*, *Paludina vivipara*, *Perca fluviatilis*, *Leuciscus idus*, *L. dobula*, *Cyprinus carpio*, *Anas boschas fera*).—Brand., 1888a, 17, 42; 1890a, 571.—Braun, 1892a, 797; 1893a, 844; 1894, 166.—Kowal., 1894, 2.—Leidy, 1891a, 416 (in *Lymnæa catascopium*, *Physa heterostropha*).—Linst., 1877, 193; 1894b, 328–332, figs. 1–8.—Mont., 1888a, 71.—Par., 1894, 166.—Reported also for *Idus melanotus*.

**TETRACOTYLIDÆ** Mont., 1892, 107, 108.—Braun, 1895b, 174.

**TETRACOTYLINÆ** Mont., 1892, 107.

**TETRAONCHINÆ** Mont., 1903, 336 (raised from subf. to fam. rank); 1905, 80.

**TETRAONCHUS** Dies., 1858c, 314, 379–380 (type probably *monenteron* by elimination; agrees with first species rule).—Ben. & Hesse, 1864, 121.—Braun, 1889k, 622; 1890a, 412, 413, 417, 465, 468, 511, 517, 518, 523, 542, 544; 1893a, 890.—Gamb., 1896a, 73.—Goto, 1893a, 798.—Hoyle, 1890, 539.—MacLaren, 1904, 574, 598, 599, 600, 601.—Mont., 1888a, 10, 13, 84, 86, 101; 1889, 113–116; 1891, 127–129; 1892, Oct. 7, 213 (gen. of *Gyrodactylinæ*); 1903, 336 (syns.: *Ancyrocephalus*, *Amphibdella*, *Dactylo-discus*; subf. *Gyrodactylinæ*); 1905, 79, 80.—Pratt, 1900, 646, 654 (key to), 657, fig. 46.—St.-Remy, 1898, 524, 567.—Støss., 1898, 17.—Tasch., 1879, 69; 1879, 263 (syns.: *Dactylogyrus* Wagener, *Gyrodactylus* Wedl).

*benedeni* St.-Remy, 1898, 566, 567, for *van benedenii*.

*borealis* (Olss., 1893) Mont., 1905, 79.

*cruciatus* (Wedl, 1857) Dies., 1858c, 381 (in *Cobitis fossilis*).—Braun, 1890a, 545, 549, 550.—Linst., 1878a.—Mont., 1889, 115, 116 (in *Cob. foss.*).—Pavesi, 1881, 616.—Tasch., 1879, 264 (syn. *Gyrodactylus cruciatus* Wedl) (in *Cob. foss.*).

*monenteron* (Wagener, 1857) Dies., 1858c, 380 (in *Esox lucius*).—Braun, 1890a, 520, 545, 549, 550.—Mont., 1889, 115, 116 (in *E. luc.*).—Olss., 1893, 7.—Par. & Per., 1890, 9.—Pratt, 1900a, 657, fig. 46.—Tasch., 1879, 263 (syns.: *Dactylogyrus* mon. Wagener, *Gyrodactylus cochlea* Wedl) (in *E. luc.*).

*torpedinis* (Chatin, 1874) Mont., 1890, 193; 1891, 1892, 109, 111; 1905, 79.

*unguiculatus* Mont., 1888a, 90 to (*Dactylogyrus*), for *unguiculatus*.

*unguiculatus* (Wagener, 1857) Dies., 1858c, 380–381 (in *Perca fluviatilis*, *Lucioperca sandra*).—Braun, 1890a, 545, 549, 551.—Hausmann, 1897b, 4, 7, 20, 23 (in *Luciop. sand.*).—Linst., 1878a.—Mont., 1888a, 90 (*unguiculatus*) to (*Dactylogyrus*): 1889, 113, 114, 115, 116 (syn. *Ancyrocephalus paradoxus* Crep.) (in *Luc. san.*, *Perc. fluv.*); 1891, 1892, 109, 127, 129, pl. 6, figs. 40, 41.—Staff., 1905, 687 (in *Eupomotis gibbosus*; *Ambloplites rupestris*).—Tasch., 1879, 238, to (*Dactylogyrus*); 1879, 263–264 (syns.: *Dact. ung.*, *Gyrodactylus crassiusculus*, *Ancyrocephalus paradoxus*) (in *Perca fluv.*, *Luc. sandra*).

*van benedenii* Par. & Per., 1890, 4, 12, 96–97 (8–9) (in *Mugil auratus*).—Braun, 1890a, 545, 549, 551.—Mont., 1905, 79.—Par., 1896, 2 (v. *benedeni*).—St.-Remy, 1898, 566, 567 (*benedeni*).—Støss., 1898, 17 (in *Mugil auratus*; *Triest*).

- TETRASTOMA** delle Chiaje, 1833, 13 (type renale).—Andral, 1829d, 617.—Braun, 1893a, 884, 891, 892, 894; 1900a, 1681.—Burm., 1856a, 251.—Crep., 1841, 82.—Dav., 1877a, lxxx.—Dies., 1850a, 408, 597 (of Forbes & Goodsir, syn. of *Scolex Muelleri*); 1858e, 314, 367.—Goldb., 1855, 17.—Mont., 1888a, 89.  
1850: *Tetrastomum* Dies., 1850a, 408, for *Tetrastoma*.  
*playfairii* Forbes & Goodsir, (1839); 1840, 370; 1842, 370; 1846, 160.—Dies., 1850a, 599 (syn. of *Scolex aculepharum* Sars).—Mont., 1888a, 94.  
*renale* delle Chiaje, 1833, 13, 116–117, pl. 2, fig. 13 (in *Homo*; Naples).—Aitken, 1866, 804, 841; 1872, 146, 206; 1874, 58.—Almeida Couto, 1872, 26.—R. Bl., 1888a, 597.—de Bonis, 1882, 180.—Braun, 1895b, 155.—Cobbold, 1866, 7; 1876, 211; 1879b, 36.—Crep., 1841, 82; 1846, 129.—Dav., 1877a, 296–297.—Dies., 1850a, 408 (in *Homo*; Naples); 1858e, 367.—Dunglison, 1893, 821, 1084.—Hackley, 1886, 519.—Kholodk., 1898, 26.—Leuck., 1863a, 527.—Moniez, 1896, 86, 152, 154.—Mont., 1888a, 89.—Tasch., 1879, 250.—Verrill, 1870, 171.—Weinland, 1859, 282.
- TETRATHYRUS** Crep., 1851b, 292 (m. *obesus*), *Dithyridium* and *Piestocystis* renamed.—See *Cestoda*.  
1860: *Petrathyrus* Cobbold, 1860a, 42, misprint.  
*obesus* Crep., 1851b, 292 (syns.: *Dithyridium lacertæ*, *Monost. lacertæ*, *Piestocystis dithyridium*) (in *Lacerta agilis*).—Dies., 1858e, 329 (syn. of *Monost. lacertæ* Gurlt, est *Piestocystis dithyridium*).
- THAUMATOCOTYLE** Scott, 1904, 278–279 (m. *concinna*).  
*concinna* T. Scott, 1904, 278–279, pl. 17, fig. 15 (in *Trygon pastinaca*; Dornoch Firth); 1905, 118.
- THECOSOMA** Moq.-Tandon, 1860a, 342 (type *hæmatobium*) (= *Schistosoma* 1858, renamed because of *schistosoma*, a term in teratology).—Braun, 1903, 3 ed., 168 (syn. of *Schistosomum*).—Cobbold, 1879b, 39; 1885a, 498 (syn. of *Bilharzia*).—Huber, 1896a, 580 (syn. of *Bilharzia*).—Leuck., 1863a, 617.—Montgomery, 1906, Jan., 18 (*Thexosoma*); 1906, Feb. 12.—Simon, 1897, 99.—Stiles & Hass., 1898a, 94, 95 (syn. of *Schistosoma*).—See *Schistosoma*.  
1906: *Thexosoma* Montgomery, 1906, Jan., 18, for *Thecosoma*.  
*hæmatobium* (Bilharz, 1852) Moq.-Tandon, 1860a, 342.—R. Bl., 1888a, 636 (syn. *Bilharzia hæm.*).—Stiles, 1898a, 58.—Ward, 1895, 253 (to *Gynæcophorus*; *hæmatomuim*, misprint); 1895, 328 (in *Homo*); 1903, 872 (syn. *Schistosoma hæm.*).
- THEXOSOMA** Montgomery, 1906, Jan., 18, misprint for *Thecosoma*.
- TISTOMUM** Tasch., 1879, 65 (for *Tristomum*).
- TOCOTREMA** Looss, 1899b, 585, 586, 619 (tod. *lingua*) (*ὁ ῥόκος*, birth; *τὸ ῥήμα*, hole, sucker); 1900, 608; 1902m, 833, 835.—Braun, 1901i, 56.—Jægers., 1900, 736; 1901, 981; 1903a, 13, 14.—Luehe, 1900, 557.—Odh., 1900, 21, 22.  
*concarum* (Crep., 1825) Looss, 1899b, 586.—Jægers., 1903a, 3, 4, 5, 11, 13.—Kowal., 1902d, 26 (8).—Type of *Cryptocotyle* 1899.  
*expansum* (Crep., 1842) Jægers., 1901b, 979–983, 1 fig.; 1902a, 356–357; 1903a, 1.—Looss, 1902m, 706.—Odh., 1902, 45.—Type of *Scaphanocephalus* 1903.  
*jejenum* Nicoll, 1907, 248, 257–259 (in *Totanus calidris*).  
*lingua* (Crep., 1825) Looss, 1899b, 586.—Jægers., 1900, 736; 1901, 979, 981; 1903a, 2, 3, 4, 5, 6, 8, 9, 10, 11, 13.—Kowal., 1902d, 27 (9).—Nicoll, 1906, 514, 519 (in *Larus argentatus*).—Odh., 1902, 45.  
*muehlingi* (Jægers., 1898) Looss, 1899b, 585.
- TOCOTREMINÆ** Jægers., 1903a, 14.
- TRACHOPUS** Ben., 1858a, 1861a, 11, for *Trochopus*.
- TREMATODA** [order of worms] Rud., 1808a, 199; 1809a, 5–6, 20–23, 325–457; 1819a, 82–126, 337–439, 674–688.—Aitken, 1866, 804, 836–842.—Anacker, 1891a, 127; 1892c, 94.—Andral, 1829c, 506, 512; 1829d, 617, 624, 633.—[Assenova, 1899, 82–83.]—Ballowitz, 1900, 442–448.—Bellingham, 1844, 335.—Ben. & Hesse, 1862a; 1864a–c; 1865a (marine).—Bettend., 1897b, 307–358, pls. 28–32, figs. 1–42 (muscles and sense cells).—Biehringer, 1884a, 26 pp. (anat. develop.); 1884b, 1–28, pl. 1, figs. 1–28; 1888a, 230–235; 1889a, 648–655.—R. Bl., 1886a, 313, 338.—Blochmann & Bettend., 1895a, 216–220, figs. 1–5.—Bos, 1894, 240.—Brand., 1892a, 558–577 (finer structure), pl. 22, 22 figs.—Braun, 1883a, 36, 37; 1889a, 209–400, figs. 1–5, pls. 6–8; 1889k, 620–622; 1890a, 401–560, pls. 9–17; 1890c, 43 (position of excretory pore); 1892a, 561–816, pls. 18–31,

## TREMATODA—Continued.

- figs. 1-23; 1893a, 817-926, pls. 32-34, figs. 24-36; 1895b, 5, 6, 120; 1896b, 7 pp., 1 pl., 8 figs.; 1897d, 109-111; 1901d, 258-260.—Bremser, 1824, 131-132.—Brongniart, (1880a).—Buetschli, 1879a, 588-589, 1 fig.—Burm., 1837a, 528; 1856a, 205, 239-252.—Carus, 1863, 476-477.—Cerf., 190—, —.—Cobbold, 1862a, 24-33, 1 pl., figs. 1-7; 1879b, 4, 14-56.—Cohn, 1902d, 712-718, figs. 1-9; 1902e, 842-843; 1902h, 877-882, 5 figs.; 1903, Apr. 28, 223; 1903, May 30, 34-42; 1903, June 18, 155; 1904, May 17, 278; 1905, July, 56-57; 1905, July, 63.—Cosmovici, 1887a, 121-131.—Crep., 1825, 80-81; 1837a, 309; 1839a, 277.—Deslongchamps, 1824ff, 743.—Dies., 1850a, 287-288 (subo. of Myzelmintha), 304-414, 472-473; 1855c, 59-70, pls. 1-3 (19 species); 1855d, 163; 1856c; 1858e, 307-390 (type of Myzelmintha aprocta).—Dunglison, 1893a, 1174.—Eichhorst, 1901a, 301.—Eiss, 1838a, 20.—Fischer, 1840, 156.—Gerv., 1873, 51-55.—Giard, 1903, 1225-1226 (in pearl formation).—Goldb., [1855a], 16.—Graeffe, 1860a, 47 (Trematoda).—Gurlt, 1831, 369.—Hahn & Lefèvre, 1884a, 515-549.—Hoyle, 1888a, 535-540, figs. 1-4; (1888b); 1890, 49, 54, 535-540.—Huber, 1894a, 283-287 (bibliography, clinical); 1896, 502, 574.—Iijima, 1889, 97.—Jackson, 1888, 642, 643, 653, 654, 658.—Johnstone, 1907, 170, 177-192.—Joy, 1835a, 504.—Kerbert, 1878a, 271-273; 1881a, 529-578, pls. 26-27, figs. 1-21. (subo. of Myzelmintha), 2, 23; 1899a, 146-153, 158.—Kolenati, 1857, 11.—Kuech., 1852, 149.—Lampert, 1898a, lxxxii-lxxxiii.—Lankester, 1882b, 227-331, 2 figs.—Lawson, 1861a, 216-223 (affinities); 1861b.—Leuck., 1830a, 612; 1842, 5; 1863a, 448; 1879, 123; 1886, 93, 104.—Linst., 1873i, 51-55; (1877a), 13-14; 1879b, 317; 1883b, in 623-663; [1883b].—Looss, 1892a, 72.—Luehe, 1901, 488.—Maclaren, 1904, 573-618, 3 pls., figs. 1-33 (2 species); 1905, Jan. 31, 20-21; 1905, June, 317.—Manson, 1901, 538-544.—Mayer, 1841, 4, 23, 25.—Milner, 1858, 9.—Mlinarich, 1832, 13.—Mol., 1858, 127; 1861, 191.—Mont., 1888, 83, 84; 1893, 427.—Much., 1896, 588-590; 1896; 1897, 243-279, pls. 16-19, figs. 1-17.—Nicoll, 1906, v. 17, 513-527, 2 pls.; 1906, Aug., 445.—Nitzsch, 1819, 397.—Nord., 1840, 596.—Oppenheim, 1900, 181.—Pag., 1857, 56 pp. (larvæ); 1859, 42-46; 1889a, 1-208.—Poir., (1885), 465-624, pls. 23-34; 1885; —, 25-29.—Pratt, 1900a, 645-662, figs. 1-50 (monogenetic, keys); 1900b; 1900, Sept. 7, 371-372; 1902a, 887-910, 953-979, figs. 1-130 (digenetic, keys); 1902; 1905, July, 63.—Ramsey, 1879.—Rawitz, 1898, v. 3, 1409-1410.—Roger, 1901, 94.—Rolleston, 1870, 140, 141, 142, 143.—Schneider, 1866, 13, 325, 337.—Scott, T., 1901, 141.—Sieb., 1850, 668.—Sons., 1893, May 16, 496, 500; 1893, Dec. 2, 742; 1894, Oct. 26, 756.—Staff., 1900, v. 13 (5), 399-414, pl. 26, figs. 1-6.—Steenstrup, 1860, v. 1 (1-6), 112-113.—Stiles, 1896, 206; 1898a, 21, 22, 27.—Tasch., 1879, 232, 233, 234.—Tschudi, 1837, 19.—Tyson, 1903, 3 ed., 1180-1181.—Vaillant, 1879, 108 pp., 55 figs.—Verrill, 1870, 165-166, 173, 175, 176, 177, 178, 179, 213.—Villot, 1882, 505-508.—Wagener, 1883, 120-122.—Wallenstedt, 1847, 6.—Ward, 1895, 238; 1903, 860-873, figs. 4772-4795; 1905, v. 12 (1-2), Jan., 24.—Weinland, 1859, 280.—Wernicke, 1892, v. 15 (6), June, 337-347, 1 pl., figs. 1-22.—Will.-Suhm, 1870, 29 pp., pls. 11-13; 1871, v. 21 (2), June 15, 175-203, pls. 11-13; 1873, v. 2, 51-55.—Zeller, 1872, 1-24; 1872, 168-180; 1873, v. 2, 51-55.—Ziegler, 1895, 549-552, figs. 420-425.—Zuern, 1882, 113, 202.
- , ANATOMY OF: Biehringer, 1884a, 26 pp. (and development); 1884b, 1-28 (and development); 1888a, 230-235 (and development); 1889a, 648-655 (and development).—Goto, 1891c, 103-104.—Looss, 1893a, 10-34; 1893c, 637.—Macé, 1881, Feb. 21, 420-421; 1884, Apr., 354-355 (segmental organ).—Mont., 1888, 130 pp.; 1888, July 19, 120-122.—Pachinger, 1888, 18 pp., pls. 2 (and physiology).—Walter, 1858, 269-297, pls. 11-13 (and histology); 1893, Oct., 636-637.—Wedl, 1857, v. 5 (26), 241-278, pls. 1-4; 1858, 242.—CIRCULATORY APPARATUS (see also excretory): Ben., 1852a, 573-589, figs. 1-2; 1852b, 23-33; 1852c, Sept. 22, 305.—Villot, 1876, v. 82 (23), June 5, 1344-1346; 1882, v. 5 (121), Sept. 25, 505-508.—EPITHELIUM: Blochmann, (1896a), 16 pp., 2 pls.; 1896b, 821-823.—Hein, 1904, 546-585, 3 pls.; 1904, Dec., 655; 1905, Jan. 31, 17-18; 1905, 350-352.—Maclaren, 1903, June 15, 516-524, figs. 1-6; 1904, May 17, 279-280.—EXCRETORY SYSTEM (see also circulatory): Ben., 1882b, 14-18, 2 figs. (and body cavity).—Buetschli, 1879a, 588-589, 1 fig.—Bugge, 1902, 177-234, pls. 21-24; 1905, (July 3), 25-26.—Fraip., 1880a, 397-402; 1880b, 106-107, 265-270; 1880c, 415-456, 1 fig., pls. 18-19; (1881a), vii-x, xxii-xxiv; 1881b, 1-40, pls. 1-2, figs. 1-2; 1881c, 602-604; 1883a, xxxi-xlii.—Kampmann, 1894a, 443-462, pls. 19-20, figs. 1-23; 1894b; 1895a, 843-844.—GENITAL SYSTEM: Darr.—Linst., 1873e, 95-108, pl. 5, figs. 1-6; 1873f, 231-232.—Looss, 1893b, 808-819, figs. 1-4.—Stieda, (1871), (1) 7, 31-40.—MUSCULATURE: Bet-tend., 1897a, 54 pp., 1 fig., 5 pls., figs. 1-42 (and sense cells); 1897b, 307-358,

## TREMATODA—Continued.

- 1 fig., pls. 28-32, figs. 1-42 (and sense cells).—Blochmann & Bettend., 1895a, 216-220, figs. 1-5 (and sense cells); 1895, 535-536 (and sense cells).—Cerf., 1894g, 949-954, figs. 1-3 (striated); 1894h, 174; 1894i, 571-572; 1895c, 21.—**NERVOUS SYSTEM:** Gaffron, 1883a, 508-509; (1884a), 109-115, pl. 17; 1885, v. 3, xxvii-xxix.—Havet, 1900b, 351-381, pls. 1-4, figs. 1-28; 1904, v. 2 (3), Dec., 21.—Jammes, 1895a, 268-270; 1895b, 493-494.—Ssinitzin, 1904, July 26, 767-777; 1904, Oct., 532.—Tasch., 1878, v. 51, 3 F, v. 3, 698-699.
- , **CALCAREOUS CORPUSCLES OF:** Claparède, (1857a), in 99-105; 1859c, in 92-96.
- , **CLASSIFICATION OF:** R. Bl., 1888a, 541, 570, 585, 587, 597, 632, 636, 652, 653.—Cosmovici, 1887a, 121-131; —, 10 pp.—Mont., 1892, Oct. 7, 213.—Pratt, 1900a; 1902a.—Tasch., 1879, v. 52, 3 F, v. 4, 232-265 (mogenetic).
- , **DEVELOPMENT OF:** Ben., 1868a, in 4-7 (egg).—Crety, 1892a, 92-97 (egg); 1892c, 396-399.—Erc., 1881, 434-436; 1881, 892-893; 1881e, 98 pp., 3 pls.; 1881f, 28-37; 1882, v. 3, 1-71, pls. 3; [1882a], 239-334, pls. 1-3; 1882b, 37-46; 1882c, 43-111, 3 pls.; 1882d, 439-453, figs. 1-27.—Dowker, 1882a, 8-14, pls. 1-2, figs. A-E.—Fil., 1854a; 1854b; 1855a; 1855b; 1855c; 1857b; 1857c; 1859a.—La Valette, [1855a], 38 pp., 2 pls.; 1859a, 55-57.—Mont., 1891, —; 1892h, 148-150 (spermatogenesis); 1892, v. 9 (3), 112-118, (4), 121-149, pls. 8-9; 1892, 35, 1 pl.; 1892k, 5-8 (egg); 1892l, 3 pp.; 1892, Oct., 618.—Moul., 1855, Apr., 465-467.—Pag., 1881, v. 3 (1), 33-56.—St.-Remy, 1892, 184-188, 10 figs.—Schauinsland, 1883, 465-527, pls. 19-20; 1883, 63 pp., 3 pls.—Schwarze, 1885, 47 pp., 1 pl.; 1885, Dec. 31, 41-86, pl. 3.—Will.-Suhm, 1873, 332.
- , **ECTOPARASITIC:** Braun, 1889k, 620-622 (excretory pore); 1890c, 43; 1890e, 594-598 (skin).—Dieckhoff, 1891a, 245-276, pl. 9, figs. 1-19; 1892, 485-486.—Goto, 1894a, 1-273, pls. 1-27 (Japan); 1894b, 1-273, pls. 1-27 (Japan); 1894c, 1017-1018 (Japan); 1895a, 386-390 (Japan); 1895b, 244 (Japan); 1895c, 37 (Japan); 1896a, 351-352 (Atlantic Coast of U. S. A.); 1899a, 263-295, pls. 20-21, figs. 1-31; 1899b; 1903a, 109.—Par. & Perugia, 1889, v. 7 (27), Oct. 10, 740-747; v. 12 (v. 22), 86-112.—Tasch., 1878, Sept. 30, 176 (genital organs); 1878, v. 51, 3 F, v. 3, 701; 1879, v. 14 (3), 293-343, pls. 1-2 (marine); 1879, 25-76, pls. 3-4; 1879, 52 pp., 2 pls.; [1879], 19-20.—Vogt, 1877, v. 30 (2), May, 306-342, pls. 14-16 (genital organs); 1877, v. 6, 363-376.
- , **ENDOPARASITIC:** Braun, 1893d, 465-468.—Villot, 1875, Oct., 302-304 (marine); 1875, v. 3, 55; 1875, v. 81, 475-477; 1878, v. 8, 40 pp., pls. 5-10; 1879, v. 8.
- , **GEOGRAPHIC DISTRIBUTION:** Lebour, 1905, 100-105, 3 pls. (Northumbria).—Levin., [1881a], 52-84, pls. 2-3 (Greenland); [1881b].—Linst., 1883a, 274-314, pls. 6-9, figs. 1-52 (Turkestan); (1883b); 1886c, 40 pp., figs. 1-55 (Turkestan).—Looss, 1899b, 521-784, figs. a-b, pls. 24-32, figs. 1-90 (Egypt); 1900a, 390-401 (Egypt); 1900b, 458-466 (Egypt); 1900b, 458-466 (Egypt); 1902e, 637-644 (Triest), figs. 1-4; 1902f.
- , **HISTOLOGY:** Brand., 1891d, 30 pp.; 1892a, 558-577, 22 figs.—Gronkowski, 1902a, 510-536, figs. a-c, pl. 13, figs. 1-16; 1903a, 897-898; 1905, July, 49-50.—Schuberg, 1895, 431-432; (1895), 165-188, pl. 10; 1905, July 13, 23-24.
- , **IN COLLECTIONS:** Sons., (Pisa Museum), [1890], v. 7, 137-143; [1890], v. 7, Nov. 16, 173-178; 1891, Mar. 2, 290; [1893], Feb. 5, 183-190; 1893, Oct. 28, 566-567.
- , **IN VARIOUS ANIMALS: AMPHIBIA:** Castle, 1900a (in Rhynchobdellidae).—Hol-lack, 1905, Feb. 18, 199-200; 1906, Jan. 30, 41 (Rana esculenta).—Macé, (1880), 61-89, pls. 1-4 (frogs); (1882), 32 pp., 4 pls. (frogs).—Vaillant, 1863, v. 4, Jan., 5-6 (Siren lacertina).
- , **IN BIRDS:** Bonnet, 1883a, 90-95 (Gallus gallus).—Braun, 1901c, 12-19, figs. 1-4; 1901f, 560-568 (revision); 1901g, 895-897, 941-948 (revision).—Hausmann, 1899a.—Kowal., 1898e, 412 (ducks).—Lint., 1888b, 367-369, 1 fig. (in hen's egg); 1888c, 51 (in hen's egg).—Rail., 1898, 412 (ducks); 1900, Mar. 16, 239-242 (hepatic); 1900, Oct., 514; 1901, Dec. 31, 986-987.
- , **IN CRAYFISH:** Lint., 1892c, 69-70.—Wright, 1884, Apr., 429-430.
- , **IN CANADIAN VERTEBRATES:** Staff., 1905, 681-694.
- , **IN MAMMALS:** Braun, 1901c, 311-348.
- , **in *Castor fiber*:** Bojanus, 1817b, 270-277.
- , **in *Chiroptera*:** Braun, (1900b), 217-236, pl. 10.
- , **in *Bos taurus*:** Giard & Billet, 1892a, 613-615 (Tonkin); 1893a, 245 (Tonkin).—Hedley, 1881a, 374-375 (lungs); 1881b, 399-400; 1881c, 27-28.—Littlewood, 1887a, 546.—Stiles, 1898a, 161 pp., 124 figs. (and sheep and swine).
- , **in *Equus caballus*:** Adams, 1876, 764-765 (liver).



## TREMATODA—Continued.

- , in *Ovis aries*: Penberthy, 1897, Apr., 238–251.—Sargent, —, Feb., 273
- , in *Elephas indicus*: Cobbold, 1869b, 48–49; 1869c, 47–49.
- , in *Rodentia*: Leidy, 1888e, 126 (muskrat); 1889h, 612 (muskrat).
- , in *Homo sapiens*: Allen, 1881b, 257 (liver).—Ariola, 1905, 607–609.—Busetto, 1862a, 69 (ear).—Cobbold, 1875i, 423; 1875k, 780–781; 1876h, 209–212.—Fagge & Pye Smith, 1902, 4. ed., 475.—Grall, 1887a, 459–470, 4 figs.—Greef, 1905, 171–172 (and fish: in lens); 1905, Nov. 23, 1909; 1905, Dec. 14, 852; 1906, Jan. 1, 25–26.—Stiles, 1904i, 66 pp., figs. 9–88, pls. 1–3, figs. 1–8 (key).—1904k, 162; 1905p, 529; 1906, Jan. 30, 43.
- , IN MOLLUSKS: Leidy, 1877e, 200–202.—Pelseneer, 1900, 262–263 (marine).
- , in *Cardium edule*: Lebour, 1904, 82–84, 1 pl.—Nicoll, 1906, 148–155, 1 pl., 6 figs.; 1906, June 20, 313.
- , in *Ostrea*: Tennent, 1906, Aug., 445; 1906, 635–690, 4 pls.
- , IN FISH (*Pisces*): Ben., 1856d, 502–508, 1 pl., figs. 1–4 (*Sciæna aquila*); (1857g), 142–143 (*Sciæna aquila*).—Ariola, 1899a, 10 pp., pl. 5 (marine); 1899, 129–138, 1 pl.; —, 299.—Hausmann, 1896a, 389–392 (fresh water); 1896b; 1897a, 1–42, figs. 1–12; 1897b.—Lint., 1898c, 507–548, pls. 40–54.—Luehe, 1900w; 1900cc, 677.—MacLaren, 1903, 260–262 (Naples).—Marshall & Gilbert, 1905a, 477–488, figs. 1–14 (*Micropterus*); 1905b, 703.—Pavesi, 1881, v. 14, 615–616.—Par. & Perugia, 1890, v. 1, 59–70 (gills, Italian); 1890, Aug. 29, 310; 1890, 16–32, 2 pls. (Adriatic); 1895, (31); 1895, July 22, 341 (marine); 1896, 135–138 (*Brama raji*); 1896, 2 pp.; —, 653.—Par. & Perugia, 1889–1890, v. 4 (19), 16–32, 2 pls.; —, v. 7 (24), June 6, 774–777.—Sons., 1890, Nov. 16 (*Pagrus orphus*).—Staff., 1904, May 3, 481–495 (Canadian); 1904, Aug. 17, 417; 1906, Jan. 30, 42–43.—Studer, 1884, v. 2 (1083–1091), 11.
- , IN REPTILES: Braun, 1899b, 714–725; 1899e, 627–632; (1901a), 58 pp., 2 figs., pls. 1–2, figs. 1–32; 1901b, 58 pp., 2 figs., 2 pls., figs. 1–32.—Looss, 1901l, 555–569, 618–625; 1902m, 411–894, figs. A–B, pls. 21–32, figs. 1–181 (Egyptian *Chelonia*); 1904c, 25–32; 1905l, 60–61.—McAlpine, 1891, Apr., 40–43 (copperhead).—Odhn., 1902, 19–46.—Sons., 1893, Oct. 2, 637 (and amphibians).
- , LARVÆ OF: Fil., 1856b, 83–86; 1857a, 129–132; 1858a, cxlvii.—McIntosh, 1861, in 4 pp., 9 figs. (in *Carcinus mænas*); 1865, v. 5, 201–204, figs. 1–9.—Moniez, 1891, Oct., 22–25.—Sons., (1897), v. 10, 249–253.
- , MONOGENETIC: St.-Remy, 1891, 405–416, pl. 10, figs. 1–40, 449–457; 1891, 1–21, 90–107; 1892, 136–145, 184–191, 224–230, 253–265, pl. 10; 1892, 92 pp., pl. 10, 40 figs.; 1898, 521–571, figs. 1–6.
- , NEW SPECIES OF: Brand., 1895b, 635.—Braun, 1892f, 44–52.—Fuhrmann, 1904, Sept. 23, 58–64; 1904, Nov., 229; 1905, June, 187; 1906, Jan. 30, 41.—Kuhn, 1829b, in 357–368, pl. 17 bis, figs. 1–17.—Linst., 1885b, in 235–255, pls. 13–15, figs. 1–31; 1886f, 249.—Macdonald, 1877, Jan., 209–212, figs. 1–15 (n. g.); 1877.—Poir., 1886, v. 10, 20–40, pls. 1–4, 30 figs.—Setti, 1891, 7 pp.
- , REPRODUCTION OF: Brand., 1891b, 264–267.—Linst., 1872a, 1–5, pl. 1, figs. A–C; 1872f, 99–112.—Moul., 1855; 1856, v. 3, 7–278, pls. 4–9.
- , TREATMENT: French, 1896a, 643–644.
- , *acotylea* Dies., 1858e, 311, subtribe.—Tasch., 1879, 234.
- , *cotylophora* Dies., 1858e, 312, 329, subtribe.—Mont., 1892, Oct. 7, 196.—Tasch., 1879, 234.
- , *monogenea* Tasch., 1879, 235.
- , *plectanophora* Dies., 1858e, 314, 374, subtribe; 1859c, 439.

## TREMATODEA Paul, 1860, 19.

## TREMATODES, see Trematoda.

TREMATODUM, sometimes used in a collective generic sense, without definite generic position.—Leydig, 1853, 382, pl. 14, fig. 6, teste Dies., 1858e, 316 (syn. of *Tylodelphys craniaria* Dies.).

*cancræ locustæ* (Rud., 1810) Linst., 1878a, 315 (in *Palæmon locusta*).

*rana* Valentin, 1843, 91, teste Dies., 1850a, 472.

*salmonis lavareti* Linst., 1878a, 266 (in *Cøregonus wartmanni*; Greenland), based on Fabricius, —, 269.

*talpæ cœcæ* Dies., 1850a, 472 (in *Talpa cœca*).—Linst., 1878a, 18 (in *Talpa cœca*).

*wachniæ* (Rud., 1819) Linst., 1878a, 238 (in *Gadus wachniæ*), based on Tilesius, 1810, 472.

**TREMATOIDEA** delle Chiaje, 1825a, 12.—Almeida Couto, 1872, 4, 7, 19.—Eichwald, 1829a, 247.—Guenther, 1858, 203–204.—Kuech., 1855, 7, 179.—Swart, 1862, 5, 33.

**TRICHODA** Mueller.—Nitzsch, 1827, 69, contains *Cerc. setifera*.

**TRICOTYLEA** Dies., 1850a, 290, 425, subtribe of *Polycotylea* to contain *Nitzschia*, *Phylline*, *Udonella*, *Encotyllabe*, *Trochopus*, *Tristomum*; 1858e, 313, 362.—Brand., 1888a, 15.—Braun, 1890a, 515.—Goldb., 1855, 19.—Mont., 1888a, 84.—Tasch., 1878, 564, 565; 1879, 233.

**TRIPOS** Bory St. Vincent, 1823b, 356, genus of *Cercariées*.

**TRISSICHYA** Cosmovici, (1887a) (contains *Epibdella*, *Tristomum*, *Udonella*).—Mont., 1888a, 84.

**TRISTOMA** Cuv., 1817, 42–43 (m. *coccineum*).—Baer, 1826a, 125, 126; 1827, 675.—Bell, 1891a, 534–545 (n. sp. from *Histiophorus brevirostris*).—Ben., 1858a, 1861a, 11, 38, 168.—Ben. & Hesse, 1864, 61, 65, 66, 76–77.—Bettend., 1897a, 17; 1897, 321.—Bl., 1847, 321.—Brand., 1894a, 308.—Braun, 1889k, 621; 1890a, 411, 412, 415, 420, 427, 430, 450, 451, 453, 454, 455, 461, 463, 464, 465, 468, 471, 473, 474, 479, 481, 482, 483, 484, 490, 491, 511, 515, 516, 517, 518, 519, 523, 526, 527, 528; 1891d, 422; 1893a, 889.—Bremser, 1824, 134.—Burm., 1837, 530; 1856a, 251.—Carus, 1863, 477.—Cerf., 1899a, 422, 435.—Cobbold, 1877, 238; 1879b, 5, 41.—Cosmovici, 1887a, 128.—Crcp., 1837, 323; 1839, 289, 291.—Deslongchamps, 1824mmm, 754; 1830h, 392.—Dies., 1835, 10; 1836a, 1–16, pl. 1 (monograph); 1836b; 1838, 77–89; 1839a, 234; 1850a, 290, 428–431 (syns. *Capsala* Boec, *Phylline* Oken), 425 (of Nitzsch, syn. of *Nitzschia*), 426 (of Rathke, syn. of *Phylline*), 427 (of Nord., syn. of *Encotyllabe* Dies.), 428 (of Dies., syn. of *Trochopus*); 1858e, 313, 365 (syns. *Capsala*, *Phylline*).—Duj., 1845a, 321–322.—Eichwald, 1829a, 249.—Fischer, 1840a, 158.—Gamb., 1896a, 73.—Goldb., 1855a, 20.—Goto, 1891a, 161, 184; 1893a, 798, 799; 1894a, 237.—Haswell, 1887a, 286, 291; 1892a, 459; 1892b, 150; 1893e, 114, 118, 122, 144.—Hémont, 1827, 9.—L'Herminier, 1826, 10.—Hoyle, 1890, 535, 539 (all parasitic on fishes).—Ijima, 1884a, 638.—Jackson, 1888, 642, 643, 644, 646, 647, 648, 653.—Johnston, 1865a, 33.—Joy, 1835a, 504.—Kerbert, 1881a, 544, 554, 572.—Leuck., 1863a, 457, 461, 462, 463, 464, 465.—Loos, 1892, 72; 1894a, 145, 146.—Masse, 1906, 43, 45, 48; 1906, 51 (of Tasch., syn. of *Trochopus* Dies.).—Mont., 1888a, 10, 11, 13, 23, 26, 30, 32, 37, 42, 45, 50, 53, 54, 56, 57, 58, 59, 60, 65, 83, 84, 86, 87, 97; 1889, 117, 118; 1891, 1892, 101, 103, 104, 105, 106, 107, 108, 111, 116, 119, 120, 123; 1892, Oct. 7, 180, 213 (gen. of *Tristominæ*); 1893, 75; 1899, 96, 97, 98, 99, 100, 101; 1903, 335 (fam. *Tristomidae*; subf. *Tristominæ*).—Moul., 1856a, 10.—Nitzsch, 1826, 150 (also *Tristomum*).—Nord., 1832a, 60.—Par. & Perugia, 1890, 13.—Pratt, 1900, 646, 649, 655, 658, fig. 9.—Rud., 1819a, 123, 427–428, 584.—St.-Remy, 1891, 1072–1074 (genital organs); 1892, 702; 1898, 534.—Schneider, 1866, 334.—Scott, T., 1901, 144.—Setti, 1899, 117–125, figs. 1–3, 1899; 71–84 (revision); 1899, 7 pp.; 1899, 5 pp.; 1899, 9 pp., 3 figs.—Stoss., 1898, 5.—Tasch., 1878, 176; 1878, 563, 564, 565, 566 (syns. *Capsala*, *Phylline*, *Hirudo* sp. *Abildg.*, *Nitzschia* Baer); 1879, 30, 32, 33, 34, 36, 37, 41, 43, 44, 50, 57, 58, 60, 62, 64, 65 (*Tistomum*), 68, 70, 71; 1879, 233, 236, 238.—Wallenstedt, 1847, 7.—Ziegler, 1883, 552.

1826: *Tristomum* Nitzsch., 1826, 150, for *Tristoma*.

1879: *Tistomum* Tasch., 1879, 65, misprint.

1888: *Tristomun* Mont., 1888a, 28, misprint.

1899: *Tristonum* Setti, 1899, 84, misprint.

*aculeatum* Couch, —.—St.-Remy, 1898, 535 (= *T. molæ*).—Setti, 1898, 311 (syn. of *rudolphianum*).—Tasch., 1878, 570.

*biparasiticum* Goto, 1894a, 251–253 (in *Parapetalus*, *Thynnus albacora*; Misaki, Japan); 1899, 272.—Mont., 1899, 86, 89.—Setti, 1898, 311; 1899, 80; 1899, 124.—St.-Remy, 1898, 539.

*blanchardi* Tasch., 1878, 567, for *blanchardii*.

*blanchardii* Dies., 1850a, 430 (in *Squalus* sp.; New Zealand) (*T. squali* Bl., renamed).—Mont., 1891, 1892, 101, 103, 123.—Setti, 1898, 311 (*blanchardi*).—Tasch., 1878, 564, 567 (*blanchardi*).

*cephala* Risso, 1826, 262–263 (t. h. *Tetraodon luna*; Europe).—Dies., 1850a, 431.—Kroyer, 1852–53a, 745 (*cephalo*) (in *Orthogoriscus mola*).—Linst., 1878a.—Setti, 1898, 311.—St.-Remy, 1898, 535 (= *T. molæ*).—Tasch., 1878, 564 (*cephalo*).

## TRISTOMA—Continued.

- cephalo* Kroyer, 1852-53a, 745.—Tasch., 1878, 564.—For *cephala*.
- coccineum* Cuvier, 1817, 42-43, pl. 15, fig. 10, pl. 36 lis, figs. 1-3 (in *la mole, le xiphias*, etc.).—Bell, 1891a, 534, 535.—Ben., 1858a, 1861a, 37, 189.—Ben. & Hesse, 1864, 61, 76, 77 (*coccinea*).—Blainv., 1828a, 569 (to *Capsala*).—E. Bl., 1847, 322-325, pl. 14, fig. 2.—Braun, 1890a, 407, 420, 427, 458, 459, 487, 529, 547, 552; 1891d, 422.—Bremser, 1824, 134; 1824c, pl. 10, figs. 12-13.—Burm., 1837a, 530.—Costa, 1846a, 54.—Crep., 1837, 323; 1839, 289.—Dies., 1836a, 11-12, pl. 1, figs. 1-13; 1850a, 429 (of Cuv., includes *T. coccineum* of Cuv., Guérin, Gray, Costa, 1846, Bl.; *Capsala coccinea* Blainv., Moquin-Tandon; *T. integrum* Dies.) (on *Xiphias gladius*); 1850a, 429 (of Rud., 1819a, 123, 427, pl. 1, figs. 7-8, renamed *T. rudolphianum*; includes also *T. coccineum* of Brem., Nitzsch, Dies., Duj., Yarrell, Cuv., pl. 36 bis, figs. 2-3; *Phylline coccinea* Schweigger, *Capsala coccinea* Blainv., Nord.; *Trist. molæ* Bl.) (in *Orthogoriscus mola*).—Duj., 1845a, 322-323.—Goto, 1899, 272.—Gray, —, pl. 9, fig. 10.—Johnston, 1865a, 33.—Juel, 1889, 37.—Kerbert, 1881a, 533.—Kølliker, 1849, 21, 26.—Kroyer, 1838-40a, 597 (in *Xiphias gladius*).—Lang, 1880.—Leuck., 1863a, 450, 455.—Looss, 1885b, 5, 10.—Linst., 1903, 279.—Lint., 1898, 509-510, pl. 40, fig. 9; 1900, 278; 1901, 414, 448.—Lörnberg, 1891, 76.—Mont., 1888a, 13, 28, 52; 1891, 1892, 101, 102, 103, 110, 113, 114, 116, 123, 124; 1893, 4-5.—Nitzsch, 1826, 150.—Nord., 1840, 602 (syn. of *Capsala sanguinea*).—Par., 1887.—Par. & Per., 1889; 1890, 5.—Pratt, 1900, 655, fig. 9; 657, 658.—Risso, 1826, 262.—Rud., 1819a, 123, 428-430.—St.-Remy, 1898, 534, 536, 538.—Scott, T., 1901, 144.—Setti, 1898, 311, 313; 1899, 71, 72, 73, 74, 75, 76, 77, 78, 83; 1899, 124.—Sons., 1890, 173 (in *Xiphias gladius*, *Tetrapturus belone*, *Orthogoriscus mola*; Sicilia, Nizza, Napoli).—Staff., 1904, May 3, 482 (on *Xiphias gladius*; Canada).—Stoss., 1898, 5.—Tasch., 1878, 564, 567, 569, 570, 571, 572 (syn. *Capsala coccinea*) (in *Orthag. mola*, *Xiphias gladius*); 1878, 176; 1879, 59.—Wagener, 1857, 72.—Yarrell, —, 468.—Ziegler, 1883, 545.
- cornutum* Verrill, 1875, 40, on *Tetrapturus albidus*; Block Island.—Pratt, 1900, 658.—St.-Remy, 1898, 536 (on *Tet. alb.*; North America).—Setti, 1898, 311, 312; 1899, 125.
- elegans* (Baer, 1826) Ben. & Hesse, 1864, 64, 77, of the sturgeon.
- elongatum* Nitzsch, 1826, 150-151 (on Stör).—Ben., 1858a, 1861a, 20.—Ben. & Hesse, 1864, 67 (syn. of *Nitzschia elegans*); 1864, 70.—Braun, 1889, 758; 1889h, 19 Aug., 433-434; 1889k, 621, 622 (syn. *Nitzschia elegans* Baer).—Crep., 1846, 149.—Dies., 1835, 12-14; 1836a, 12; 1850a, 426 (syn. of *Nitzschia elegans*).—Duj., 1845a, 323.—Kølliker, 1849, 21.—Nord., 1840, 602 (to *Capsala*).—Tasch., 1878, 563, 564, 567-568 (in *Accipenser sturio*); 1879, 56.—Reported also for *Acipenser guldenstädtii*.
- excavatum* Nord. in Dies., 1850a, 428 (syn. of *Encotyllabe nordmanni*).
- foliaceum* Goto, 1894a, 248 (host unknown).—Mont., 1899, 86.—St.-Remy, 1898, 538.—Setti, 1898, 311, 313; 1899, 119, 124; 1899, 79, 80.
- hamatum* Rathke, 1843, 238-242, pl. 12, figs. 9-11 (syns. *Hirudo hippoglossi* Mueller, *Phylline hippoglossi* Oken, *Ertopdella hippoglossi* Blainv.; in *Pleuronectes hippoglossus*; Europe).—Ben., 1858a, 1861a, 19, 21 (syn. of *Epibdella hippoglossii*).—Ben. & Hesse, 1864, 68, 69 (syn. of *Epibdella*).—Dies., 1850a, 427 (syn. of *Phylline hippoglossi*).—Johnston, 1865a, 32.—Kølliker, 1849, 21.—Odhn., 1905, 370 (syn. of *Epibd. hipp.*).—Tasch., 1879, 568 (syn. of *T. hippoglossi*).—Reported for *Pleuronectes hippoglossus*.
- hippoglossi* Oken, see Tasch., 1878, 568; 1879, 59, to (*Epibdella*).
- histiophori* Bell, 1891a, 534-535 (in *Histiophorus brevirostris*).—Goto, 1894a, 238; 1899a, 271 (syn. of *T. leve* Verrill).—Mont., 1899, 86.—St.-Remy, 1898, 535 (= *T. leve*).—Setti, 1898, 311, 312, 313; 1899, 79, 83.
- integrum* Dies., 1850a, 429, MS. (syn. of *T. coccineum*).—Setti, 1898, 311.
- interruptum* Mont., 1891, 1892g, 101, 105, 116, 122, 123, pl. 12, figs. 17-19 (in *Thynnus brachypterus*; Naples?); 1899, 86, 97.—Braun, 1891d, 422.—Goto, 1894a, 238.—St.-Remy, 1898, 535.—Setti, 1898, 311, 312; 1899, 117-119, 124, fig. 1; 1899, 80, 81, 84.—Reported also for *Thynnus thynnus*.
- lave* Verrill, 1875, 40, in *Tetrapturus albidus*; Block Island.—Goto, 1899a, 271-273 (leve, syns. *histiophori* and *ovale*), pl. 20, figs. 10-12.—Linst., 1906, 176 (= *T. ovale* Goto).—Lint., 1898, 509, pl. 40, figs. 7-8; 1901, 414, 445.—Mont., 1899, 86; 1899, 108.—Pratt, 1900, 658.—St.-Remy, 1898, 535-536, 539 (on *Tet. alb.*; North America).—Setti, 1898, 311; 1899, 79, 83; 1899, 124.—Reported for *Gymnosarda pelamys*, *Tetrapturus albidus*, *Histiophorus orientalis*, *Cymbrium* sp.

## TRISTOMA—Continued.

- læve* var. *armata* Goto, 1899a, 273 (*læve* of Verrill, and *histiophori* of Bell).
- læve* var. *inermis* Goto, 1899a, 273 (*T. ovale* renamed).
- læve* Goto, 1899a, 291, for *læve*.
- levinseni* Setti, 1898, 311, 312; 1899, 120–121, 124, fig. 2, for *levinseni*.
- levinseni* Mont., 1891, 101, 122, 123, pl. 6, fig. 21 (in *Thynnus* sp.).—Braun, 1891d, 422.—Goto, 1894a, 238.—Setti, 1898, 311, 312; 1899, 120–121, 124, fig. 2 (*levinseni*).
- maculatum* Rud., 1819a, 123, 430–431, pl. 1, figs. 9–10 (includes *Capsala martinieri* Boec, *Phylline diodontis* Oken) (in *Diodon*).—Ben. & Hesse, 1864, 76.—Braun, 1890a, 529, 547, 550 (in *Diodon* sp.; California).—Dies., 1835, 10–11; 1836a, 10; 1850a, 430 (syns. *Caps. mart.*, *Phylline diodontis*, *Caps. maculata*).—Duj., 1845a, 322.—Eichwald, 1829a, 249.—Mont., 1891, 101, 103, 123.—Nitzsch, 1826, 150.—Nord., 1840, 602 (to *Caps.*).—Odhn., 1905, 371.—Pratt, 1900, 658.—Setti, 1898, 311; 1899, 84; 1899, 125.—Tasch., 1878, 564, 567 (in *Diodon*).
- megacotyle* Linst., 1906, 176, pl. 1, figs. 19–20 (in *Histiophorus* sp.; Beruwala).
- mola* Bl., E. 1847a, 326–327 (t. h. *Orthagoriscus mola*).—Ben. & Hesse, 1864, 66, 76, 77–79.—Bettend., 1897a, 34, 35; 1897, 338, 339.—Brand., 1898a, (12, 14, 18), 204, 206, 210.—Braun, 1883a, 43; 1889k, 621; 1890a, 419, 423, 424, 425, 427, 428, 429, 431, 432, 445, 449, 450, 451, 455, 456, 458, 460, 465, 483, 512, 529, 547, 551 (in *Orthag. mola*; Atlantic Ocean (England), Mittelmeer (Nizza, Naples, Palermo, Trieste)); 1892a, 617.—Cerf., 1898b, 345.—Dies., 1850a, 429 (of Bl., syn. of *T. rudolphianum*).—Fischer, 1883a, 22.—Goto, 1891a, 161; 1899, 272.—Haswell, 1892a, 459; 1893e, 121, 144, 145.—Heath, 1902, 127, 128, 131, 132.—Hoyle, 1890, 537.—Jackson, 1888, 644, 650.—Johnston, 1865a, 33.—Kath., 1894a, 138.—Knoch, 1894, 5, 11, 17.—Linst., 1901, 408, 414, 466.—Loennberg, 1891, 76.—Loos, 1885b, 12; 1894a, 146, 154.—Maclaren, 1904, 585, 589, 590, 608.—Mont., 1888a, 28 (*Tristomun*); 1888a, 7, 10, 13, 16, 17, 19, 23, 28, 29, 33, 50, 51, 52; 1890, 418; 1891, 101, 104, 107, 116, 118, 119, 120, 122, 123, pl. 5, fig. 4; 1892, Oct. 7, 172; 1893, 5–7; 1893, 77; 1899, 97, 98.—Par. & Perugia, 1889, 741, fig. 2 (in *Mola aspera*); 1890, 741, fig. 2 (in *Mola aspera*); 1890, 5.—Par., 1894, 549, 677, 680.—Poir., 1885, 138, 139, 147.—Pratt, 1900a, 658.—St.-Remy, 1898, 534, 535, 537.—Scott, 1901, 144 (in *Orthagoriscus mola*; W. coast Scotland); 1905, 118 (in Scott, 1901, pl. 8).—Setti, 1898, 309, 311; 1899, 124; 1899, 80, 81, 83.—Sons., 1890, 173 (in *Orthag. mola*); 1891, 265.—Staff., 1904, May 3, 482 (on *Mola mola*; Canada).—Stoss., 1891, 111; 1896, 191; 1898, 5–6.—Tasch., 1878, 564, 567; 1879, 232–265; 1880, 12 Jan., 17–18.
- nordmanni* (Dies., 1850) Tasch., 1878, 568 (syn. *Encotyllabe nordmanni*).
- nozawai* Goto, 1894a, 249–251 (in *Thynnus sibi*; Osatsube (Hokkaido)).—Mont., 1899, 86.—Setti, 1898, 311; 1899, 80, 84 (*nozawai*); 1899, 122, 123, 124.—St.-Remy, 1898, 538–539 (*nozawai*).
- nozawai* St.-Remy, 1898, 538, for *nozawai*.
- onchidiocotyle* Setti, 1899, 121–123, fig. 3 (in “tonno” at Portoferraio).—Par., 1899, 3; 1902, 3 (in *Thynnus thynnus*; Elba).
- ovale* Goto, 1894a, 241–244 (in *Histiophorus orientalis*, H. sp.; Misaki); 1899a, 271 (syn. of *T. læve*).—Mont., 1899, 86; 1899, 108.—St.-Remy, 1898, 535 (= *T. læve*).—Setti, 1898, 311; 1899, 79, 83.
- ovata* (Goto, 1894) Heath, 1902a, 132, apparently for *Epibdella ovata*.
- pagelli* (Ben. & Hesse, 1863) Tasch., 1878, 569 (syn. *Encotyllabe pagelli*).
- papillatum* Ben., 1858a, 1861a, 38 (refers to Kœlliker, 1849, 21, pl. 2).—Mont., 1893, 12.
- papillorum* Jucl, 1889, 14, misprint.
- papillosum* Dies., 1836a, 313–316, pl. 17, figs. 13–16 (t. h. *Xiphias gladius*); 1850a, 430–431 (syn. *Capsala papillosa*) (in *Orthagoriscus mola*; Naples, *Tetrapturus belone*, *Meesina*; *Xiphias gladius*; Panormi).—Ben., 1858a, 1861a, 169, 175, 176.—Ben. & Hesse, 1864, 66, 77.—Brand., 1891d, 14, 20.—Braun, 1883a, 45; 1889k, 621, 622; 1890a, 409, 419, 420, 424, 427, 430, 437, 438, 441, 444, 445, 456, 458, 487, 529, 547, 552; 1890b, 125; 1891d, 422; 1893b, 177.—Crety, 1893a, 384.—Duj., 1845a, 323.—Goto, 1894a, 237.—Grube, —, 49.—Jucl, 1889, 37.—Kœlliker, 1846, 469; 1847a, 469; 1849b, 21–27, pl. 2, figs. 1–4 (*anatomy*).—Kerbert, 1881a, 533.—Kroyer, 1852–53a, 745 (in *Orthag. mola*).—Linst., 1903, 280.—Loos, 1885b, 5, 10.—Mont., 1888a, 7, 16; 1899, 118; 1891,

## TRISTOMA—Continued.

- 99, 101, 102, 103, 105, 110, 113, 114, 116, 119, 123, 124, pl. 5, figs. 1-3; 1893, 79.—Nord., 1840, 602 (to *Capsala*).—Par., 1889, 2-3; 1894, 543, 680, 698; 1902, 2 (in *Xiphias gladius*; Elba).—Par. & Per., 1890, 5.—Scott, T., 1901, 144.—Setti, 1898, 311, 312; 1899, 71, 72, 73, 74, 75, 76, 77, 83; 1899, 124.—Shipley, 1898, 354.—Sons., 1890, 173; 1891, 265 (in *Orthag. mola*).—Stoss., 1885, 162; 1898, 6.—Tasch., 1878, 701; 1878, 564, 567, 569, 570, 572 (syn. *Caps. pap.*); 1878, 176; 1879, 57, 59.—Wagener, 1857, 72.—Ziegler, 1883, 545.—Reported also for *Carcharias glaucus*.
- pelamydis* Tasch., 1878, 176; 1878, 569, 570 (in *Pelamys sarda*; Naples).—Braun, 1890a, 418, 487, 494, 497, 499, 519, 529, 547, 551.—Mont., 1888a, 86, 87; 1889, 117; 1891, 101, 105, 116, 123, pl. 6, fig. 20; 1899, 97.—Par., 1894, 680; 1902, 2 (in *P. sarda*; Elba).—Par. & Per., 1890, 5.—Setti, 1898, 311; 1899, 80, 81, 82; 1899, 124.—Sons., 1890, 173 (in *P. sarda*; Pisa).—Stoss., 1898, 6.
- perugiai* Setti, 1898, 7 pp., 1 fig. (on *Tetrapturus belone* Raf.; Spezia); 1898, 308-313, 1 fig.; 1899, 77, 79; 1899, 124.—Mont., 1899, 86.—St.-Remy, 1898, 539-540.
- pini* (Ben. & Hesse, 1863) Tasch., 1878, 568.—Massa, 1906, 56 (to *Trochopus*).
- rhombi* (Ben. & Hesse, 1863) Tasch., 1878, 568.—Massa, 1906, 58 (to *Trochopus*).
- rotundum* Goto, 1894a, 245-248, pl. 24, figs. 6-9 (in *Xiphias gladius*; Misaki).—St.-Remy, 1898, 537-538.—Setti, 1898, 311, 313; 1899, 77, 78, 83 (syn. of *T. coccineum*).
- rudolphianum* Dies., 1850a, 429 (t. h. *Orthogoriscus mola*; Anglia) (new name for *Capsala sanguinea* Blainv., *T. mola* Blanchard, 1847, *T. coccineum* of Rud., *Phylline coccinea* Schweigger).—Johnston, 1865a, 33.—Kroyer, 1838-40a, 597; 1852-53a, 745 (in *Orthag. mola*).—Lint., 1898, 510; 1900, 281; 1901, 408, 414, 466.—Setti, 1898, 311 (syns. *aculeatum* Couch, *cephala* Risso, *mola* Bl.); 1899, 84.—Stoss., 1898, 5.—Tasch., 1878, 564, 567.—Reported also for *Mola mola*.
- scianæ* Ben., Tasch., 1878, 568.
- sinuatum* Goto, 1894a, 239-241 (in *Histiophorus* sp.; Misaki); 1899a, 272.—Mont., 1899, 89; 1899, 108 (spelled also *sinuatuun*, 109).—St.-Remy, 1898, 536-537, 539.—Setti, 1898, 309, 311; 1899, 124.
- sinuatuun* Mont., 1899, 109, misprint.
- soleæ* (Ben. & Hesse, 1863) Tasch., 1878, 568; 1879, 59 (to *Phylonella*).
- squali* E. Bl., 1847, 327-328 (t. h. *Squalus*; New Zealand).—Ben. & Hesse, 1864, 76.—Braun, 1890a, 529, 547, 552.—Cuvier, —, pl. 36, figs. 3, 3a.—Dies., 1850a, 430 (syn. of *T. blanchardii*).—Setti, 1898, 311; 1899, 84; 1899, 125.—Tasch., 1878, 564, 567.
- sturionis* (Abildg., 1794) Cuvier, 18—, pl. 36, figs. 4-4a or Bl., 1847, 329-330.—Ben. & Hesse, 1864, 67 (of Bl. syn. of *Nitzschia elegans*).—Dies., 1850a, 426 (syn. of *Nitzschia elegans*).—Johnston, 1865a, 34.—Tasch., 1878, 568 (of Bl. syn. of *T. elongatum*).
- tubiporum* Dies., 1836a, 14-15, pl. 1, figs. 14-16 (in *Trigla hirundo*); 1850a, 428 (renamed *Trochopus longipes* as type of *Troch.*).—Ben. & Hesse, 1864, 74, 75, 76, 77 (to *Troch.*).—Duj., 1845a, 323.—Massa, 1906, 43; 1906, 53, 54 (to *Troch.*).—Nord., 1840, 602 (to *Capsala*).—Sons., 1891, 261.—Stoss., 1898, 7 (in *Trigla hirundo*; Trieste).—Tasch., 1878, 563, 564, 568 (in *Trig. hir.*).
- uncinatum* Mont., 1889h, 117-118, pl. 4, figs. 1-7 (in ?*Pleuronectes*; Coll. Leuck.); 1889i, 516; 1891, 101, 116, 123; 1893.—Braun, 1890a, 487, 497, 529, 547, 551 (in *Hippoglossus* sp.).—Goto, 1894a, 237.—Setti, 1898; 1899, 124.
- TRISTOMATIDÆ Gamb., 1896a, 53, 55, 73.—Scott, T., 1901, 141, 142.
- TRISTOMATINÆ Gamb., 1896a, 73.
- TRISTOME [French] Blainv., 1824a, 515 ("Nouveau genre que M. Boëc avait nommé capsule pour un animal parasite sur les branchies des poissons, que je regarde de la famille des sangsues").
- TRISTOMÆE Tasch., 1879, 56, 57, 67; 1879, 235, 238.—Braun, 1883a, 58; 1890a, 516, 517, 523, 524, 525; 1890b, 127.—Cerf., 1894, 946, 948; 1895h, 914, 919; 1898b, 36.—Haswell, 1892a, 457.—Jackson, 1888, 644, 653 (includes: *Tristomidæ*, *Monocotylidæ*, *Udonellidæ*).—Jucl., 1889, 14.—Hoyle, 1890, 539 (includes: *Tristomidæ*, *Monocotylidæ*, *Udonellidæ*).—Mont., 1888a, 15, 86 (*Ttistomeæ*); 1888a, 7, 10, 11, 12, 13, 15, 17, 18, 20, 21, 26, 27, 31, 32, 34, 36, 37, 42, 47, 48, 49, 50, 53, 54, 56, 67, 70, 86, 87, 88, 96, 108, 110; 1891, 108.—Par. & Per., 1890, 5.—Sons., 1890, 175.
- 1888: *Ttistomeæ* Mont., 1888a, 15, 86, misprint.

**TRISTOMIDÆ** Cobbold, 1877f, 326; 1879b, 4.—Braun, 1890a, 516, 517, 519, 523, 526, 538; 1893a, 889; 1896b, 7.—Cerf., 1894, 946, 948; 1894k, 936–948, figs. 1–6; 1894l, 175; 1895a, 21; 1895b, 361; 1899a, 411.—Haswell, 1887a, 294, 299; 1892a, 457; 1893e, 114, 125.—Hoyle, 1890, 539 (*Tristomum*).—Jackson, 1888, 653 (*Tristomum*).—Mont., 1888a, 7, 15, 16, 19, 23, 30, 31, 34, 35, 67, 86, 87, 88, 96, 107, 108; 1891, 101, 108, 111, 122; 1891, 99–134, 1 fig., pls. 5–6, 41 figs.; 1892, Jan. 15, 99–134, 1 fig., pls. 5–6, figs. 1–41; 1892, Oct. 7 (fam. of *Eterocotylea*; contains *Tristominae*, *Encotyllabinae*, *Udonellinae*); 1893, 21; 1899, 77; 113; 1903, 335 (contains subf. *Tristominae* (g. *Tristomum*, *Trochopus* [= *Placunella*]; 2. *Acanthocotylinea* (g. *Acanthocotyle*); 3. *Ancyrocotylinea* (g. *Ancyrocotyle*, *Epibdella* [= *Phylonella*], *Nitzschia*); 4. *Encotyllabinae* (g. *Encotyllabe*); 1905, 68.—Muehl., 1898, 17.—Pratt, 1900, 646 (includes: *Tristominae*, *Encotyllabinae*, *Udonellinae*), 648.—St.-Remy, 1891, 55 pp., 2 pls.; 1891, 11 May, 1072–1074 (genital organs); 1892, 30 May, 702–703; 18927, 1–55; 1892, 2 Oct., 615–616; 1898, 522, 532.—Schneidemuehl, 1896, 296.—Scott, 1901, 141.—Stoss., 1898, 5.—Tasch., 1879, (of Ben.) 68; 1879, 235.

**TRISTOMIDEA** Carus, 1863, 477.—Mont., 1888a, 84.

**TRISTOMIDES** Tasch., 1879, 235.—E. Bl., 1888a, 541 (embraced in *Polystomiens*).—Mont., 1888a, 86.

**TRISTOMIDI** Mont., 1892g, 99–134, figs. 1–41, for *Tristomidæ*.

**TRISTOMII** E. Bl., 1847, 321.

**TRISTOMINÆ** Braun, 1893a, 889.—Mont., 1892, Oct. 7, 213 (subf. of *Tristomidæ*, contains *Tristomum*, *Nitzschia*, *Epibdella*, *Trochopus*, *Acanthocotyle*); 1899, 81, 113; 1903, 335 (f. *Tristomidæ*).—Pratt, 1900, 646, 648 (includes: *Tristoma*, *Nitzschia*, *Epibdella*, *Phyllonella*, *Trochopus*, *Acanthocotyle*, *Placunella*).—St.-Remy, 1898, 532.

**TRISTOMUM**, see *Tristoma*.

**TRISTOMUN** Mont., 1888a, 28 (for *Tristomum*).

**TRISTONUM** Setti, 1899, 84, for *Tristomum*.

**TROCHOPUS** Dies., 1850a, 290, 428 (m. *longipes*) [not Carpenter, 1898, insect]; 1858e, 313, 365.—Ben., 1858a, 1861a, 38.—Ben. & Hesse, 1864, 66, 74.—Braun, 1890a, 411, 412, 415, 451, 465, 469, 511, 515, 516, 517, 519, 523, 526, 528; 1891d, 422; 1893a, 889.—Burm., 1856a, 251.—Gamb., 1896a, 73.—Goldb., 1855a, 20.—Massa, 1903, 252–255; 1906, 43–71 (syns.: *Capsala* Nord., *Trist.* Tasch., *Placunella* Ben. & Hesse).—Mont., 1888a, 7, 10, 11, 13, 52, 66, 86, 87, 97; 1891, 105, 107, 111, 124, 125; 1892, Oct. 7, 213 (gen. of *Tristominae*); 1899, 98; 1903, 335 = *Placunella* (subf. *Tristominae*; f. *Tristomidæ*).—Pratt, 1900, 646, 648 (key).—Scott, 1901, 143; 1901, in 120–153, 2 pls.—St.-Remy, 1898, 534.—Sons., 1891, 260–261.—Stoss., 1898, 7.—Tasch., 1878, 566 (syn. of *Tristomum*).

*differens* Sons., 1891, 261 (in *Cantharus lineatus* Mont.).—Braun, 1891d, 422.—Massa, 1903, 255 (in *C. lin.*); 1906, 44, 46, 53, 60–61, 65, pl. 2, figs. 24, 25, 26 (syn. *T. longipes* Sons., 1890) (in *C. lin.*; Pisa).

*diplacanthus* Massa, 1903, 254 (in *Trigla hirundo*); 1906, 45, 46, 53, 56, 64, 65, 66, pl. 2, figs. 3, 4, pl. 3, fig. 33 (syn. *Placunella pini* Scott, 1901) (in *T. hir.*; Scotland).

*exacanthus* Par. & Perugia, 1889.—Massa, 1903, 255 (in *Serranus gigas*).—For *hexacanthus*.

*heteracanthus* Massa, 1903, see *heteracanthus*.

*heteracanthus* Massa, 1903, 252, 254 (in *Trigla corax*); 1906, 46 (*heteracanthus*), 48, 51, 53, 55, 57, 62, pl. 2, figs. 8, 9, 10, 11, pl. 3, figs. 27, 31, 37, 38, 39, 40, 41 (syns.: *T. longipes* Sons., *T. tubiporus* Sons.) (in *Trig. co.*; Naples).

*hexacanthus* (Par. & Perugia, 1889) Massa, 1906, 45, 46, 47, 53, 59–60, 65, pl. 2, figs. 15, 16, 17, pl. 3, figs. 28, 36 (in *Serranus gigas*; Genova).

*lineatus* Scott, 1901, 143–144, pl. 8, fig. 18 (in *Trigla lineata*; Clyde); 1905, 118.—Massa, 1903, 254 (in *Trigla lineata*); 1906, 45, 46, 52, 61, pl. 2, figs. 5, 6, 7, pl. 3, figs. 32, 35 (in *Trigla lineata*; Scotland).

*longipes* Dies., 1850a, 428 (= *Trist. tubiporum* 1835, renamed) (in *Trigla hirundo*); 1858e, 365.—Ben. & Hesse, 1863, 75; 1864, 75 (syn. of *T. tubiporus*).—Kroyer, 1838–40a, 582 (in *Trig. hir.*).—Massa, 1906, 53, 55 (syn. of *T. tubiporus* Dies.), 60 (of Sons., 1890) (syn. of *T. differens* Sons.), 62 (syn. of *T. heteracanthus* Massa).—Mont., 1891, 123, 124.—Sons., 1891, 260, 261.—Stoss., 1898, 7 (in *Trig. hir.*; Trieste).—Tasch., 1878, 564, 565, 568 (syn. of *T. tubiporum*).

## TROCHOPUS—Continued.

- micracanthus* Massa, 1903, see *micrachanthus*.
- micrachanthus* Massa, 1903, 255 (in *Trigla hirundo*): 1906, 46, 53, 56, 63, 65, 66, pl. 2, figs. 21, 22, 23, pl. 3, fig. 29 (in *Trigla hirundo*; Genova).
- microcanthus* Massa, 1906, 66, for *micracanthus*.
- onchacanthus* Massa, 1906, 44, 46, 53, 65–66, pl. 2, figs. 12, 13, 14, pl. 3, fig. 30 (host unknown; Triest).
- pini* (Ben. & Hesse, 1863) Massa, 1903, 254 (in *Trigla pini*); 1906, 46, 53, 55, 56–58, 63, 65, 66, pl. 2, fig. 2 (syns.: *Placunella pini* Ben. & Hesse, Trist. *pini* Tasch., *Troch. tubiporus* Sons.) (in *Trig. pini*, *T. hirundo*, *T. corax*; Naples).
- rhombi* (Ben. & Hesse, 1863) Massa, 1903, 255 (in *Rhombus maximus*); 1906, 45, 46, 53, 58–59, 65, pl. 2, fig. 1 (syns.: *Placunella rhombi* Ben. & Hesse, Trist. *rhombi* Tasch.) (in *Rh. max.*; Brest).
- tubiporus* (Dies., 1835) Ben. & Hesse, 1864, 66, 75–76, pl. 6, figs. 8–13 (syns.: Trist. *tubiporum*, *T. longipes*) (in *Trigla hirundo*).—Braun, 1890a, 418, 424, 488, 528, 547, 552.—Massa, 1903, 253, 254 (in *Trig. hir.*); 1906, 44, 46, 53–55 [56, 57 (of Sons., 1901, 200, syn. of *T. pini* Ben. & Hesse)], 60, [62 (of Sons., 1891, 260, syn. of *T. heteracanthus*)], 65, 66, pl. 2, figs. 18, 19, 20, pl. 3, fig. 34 (syns.: *Capsala tubipora* Nord., Trist. *tubiporum* Dies.; *Troch. longipes* Dies.).—Mont., 1888a, 66; 1891, 104, 124, pl. 5, fig. 11, pl. 6, figs. 12–16.—Par. & Perugia, 1890, 5.—Pratt, 1900, 655, 657, fig. 7.—St.-Remy, 1898, 535.—Scott, A., 1901, 345; 1901, 143 (in *Trigla hirundo*).—Sons., 1891, 260, 261.—Stoss., 1898, 7.—Reported also for *Cantharus lineatus*.
- TTISTOMEÆ Mont., 1888a, 15, 86, misprint for Tristomeæ.
- TURBINILLA Bory St.-Vincent, 1823b, 356, genus of Cercariées.
- TYLODELPHIS Pag., 1857, 38, pl. 4, fig. 7.—Mont., 1888a, 84.—Villot, 1898, 542 (for Tylodelphys).
- TYLODELPHUS Kroyer, 1838–40a, 579.—Linst., 1878a, 290, for Tylodelphys.
- TYLODELPHYS Dies., 1850a, 287, 304–305 (type *clavata*): 1858e, 311, 315–316.—Brand., 1888a, 12, 15, 52; 1890a, 578.—Braun, 1894, 166; 1895b, 132.—Goldb., 1855a, 16.—Mont., 1888a, 84 (Tylodelphis), 91.—Olss., 1893, 8.—Pag., 1857, 46.—Villot, 1898, 542 (Tylodelphis).
- 1888: Tylodelphis Mont., 1888a, 84, for Tylodelphys.
- clavata* (Nord., 1832) Dies., 1850a, 305 (in *Acerina vulgaris*, *Perca fluviatilis*, *Lucioperca sandra*, *Esox lucius*; Rhedoni); 1858e, 316.—Braun, 1892a, 796.—Kroyer, 1838–40a, 579 (in *Acerina cernua*).—Olss., 1893, 8.
- craniaria* Dies., 1858e, 316, based on Leydig, 1853, 382, pl. 14, fig. 6 (in *Cobitis fossilis*).—Braun, 1892a, 796.—Pavesi, 1881, 616.—To Diplost. by Cobbold, 1860.
- petromyzi fluviatilis* Linst., 1878a, 290, for *petromyzonis fluv.*
- petromyzi fluviatilis* Braun, 1892a, 796.
- petromyzonis fluviatilis* Dies., 1858e, 316 (in *Petromyzon fluviatilis*) (syns.: Diplost. *petromyzoni fluviatilis* Mueller, ? Diplost. *rachiaum* Mueller).
- rachidis* Hannover, 1864a, 3.
- rhachia* (Henle, 1833) Braun, 1892a, 796 (see *rhachidis* Dies.).
- rhachidis* Dies., 1850a, 305 (=Dubium ranarum Rud., Diplost. *rhachiaum* Henle, renamed) (in *Rana esculenta*, *R. temporaria*): 1858e, 316 (in *Pelophylax esculentus*).—Braun, 1893a, 871.—[Caldani, 1794, 312–318, pl. 7, figs. 7–8].—Hannover, 1864a, 3 (rachidis).—Pag., 1857, 38, pl. 4, fig. 7 (in *Rana esculenta*).—[Rud., 1810a, 268 (Dubium ranarum).]
- TYPHLOCELUM Stoss., 1902, 9, 30–32 (tod. flavum); 1902, 33 (syn. Monost. flavum) (in *Anas boschas brasiliiana*).—Cohn, 1904, 229, 231 (syn. of Monost. flavum), 232.
- cucumerinum* (Rud., 1809) Stoss., 1902, 32–33, pl. 8, fig. 28 (syns.: Dist. cuc. Rud., Monost. cuc.) (in *Avis riparia*).
- flavum* (Mehlis, 1831) Stoss., 1902, 30–32, pl. 9, figs. 31, 32 (syn. Monost. fl.) (in *Fuligula marila*; Rossitten).—Cohn, 1904, 230–232, fig. 1
- sarcidiornicola* (Méguin, 1890) Stoss., 1902, 33–34 (syn. Monost. sarc.) (in *Sarcidiornis melanota*; Madagascar).

**UDONELLA** Johnston, 1835a, 497 (m. *caligorum*); 1865a, 30, 34.—Ben., 1858a, 1861a, 11, 12, 190, 207, 210, 297.—Brand., 1894a, 308.—Braun, 1890a, 451, 452, 465, 468, 477, 483, 484, 490, 498, 511, 515, 516, 517, 518, 522, 523, 531, 532; 1893a, 890.—Burm., 1856a, 251.—Carus, 1863, 477.—Chatin, 1880f, 591; 1881a, 311.—Cobbold, 1879b, 463.—Dies., 1850a, 290, 427 (syns.: *Hirudo*? Kroyer, *Amphibothrium* Frey & Leuck.); 1858e, 313, 362–363 (m. *caligorum*); 1859c, 437.—Gamb., 1896a, 73.—Goldb., 1855a, 20.—Hoyle, 1890, 539 (type *caligorum*).—Jackson, 1888, 644, 653.—Leuck., 1863a, 489; 1879, 139; 1886d, 107.—Mont., 1888a, 10, 52, 70 (*Udonetla*), 84, 86, 88, 98; 1892, Oct. 7, 186, 213 (gen. of *Udonellinae*); 1903, 336 (subf. *Udonellinae*); 1905, 65.—Par. & Perugia, 1890, 14.—Pratt, 1900, 646, 649 (on *Caligus* and *Anchorella*), 655, fig. 12.—Scott, T., 1901, 144.—Stoss., 1898, 8.—Tasch., 1878, 572; 1879, 236, 238; 1879, 56, 59, 68, 73.—Wagener, 1857, 25, 26.

1888: *Udonetla* Mont., 1888, 70.

*caligarum* Tasch., 1878, 564, 565, 572–573, for *caligorum*.

*caligi* (Kroyer)—Ben., 1858a, 1861a, 189.

*caligorum* Johnston, 1835a, 497, fig. 45 a–c (on *Caligus* on *Hippoglossus vulgaris*); 1865a, 34, 299–300, fig. 49.—Ben., 1858a, 1861a, 12, 13–18, pl. 1, figs. 1–15 (syns.: *Phylline caligi* Kroyer, *Amphibothrium kroyeri*) (in *Pleuronectus hippoglossus*, *Gadus morhua*, *Trigla gurnardus*), 260.—Braun, 1890a, 418 (*caligarum*), 468, 485, 500, 512, 532, 548, 550, 551 (in *Caligus* sp.; North Sea; Atlantic Ocean).—Cobbold, 1879b, 484.—Dies., 1850a, 427 (syns.: *Hirudo* Kroyer, *Amphibothrium kroyeri* Frey & Leuck.); 1858e, 363; 1859c, 437 (in *Caligoes hippoglossi vulgaris* et *gadi morhuae*; Belgia).—Gamb., 1896a, 55, fig. 22B.—Grube, 1851, 116, 150.—Hoyle, 1890, 539 (on *Caligus* which is on *Hippoglossus vulgaris*).—Jackson, 1888, 646, 650 (on *Caligus*).—Moul., 1856a, 11.—Pag., 1857, 11.—Pratt, 1900, 655, fig. 12, 657.—Quatrefages, 1854, 23.—Scott, 1901, 144 (in *Caligus curtus*); 1905, 118; 1901, pl. 8.—Staff., 1904, May 3, 482 (on *Caligus* on *Gadus callarias*; Canada).—Tasch., 1878, 564, 565, 572–573 (*caligarum*).

*hirundinis* (Ben. & Hesse, 1863) Tasch., 1878, 573 (syn. *Echinella hirundinis*).

*lupi* Ben. & Hesse, 1863, 92, pl. 8, figs. 11–14 (in *Labrax lupus*).—Braun, 1890a, 408, 417, 427, 482, 532, 548, 550, 551 (in *L. lup.*; Atlantic Ocean).—Mont., 1890, 420.—Stoss., 1898, 8.—Tasch., 1878, 573.

*merlucii* Ben. & Hesse, 1863, 93; 1864, 93 (in *Merlucius vulgaris*).—Braun, 1890a, 417, 532, 548, 550, 551 (in *M. vulg.*; Atlantic Ocean).—Tasch., 1878, 573.

*mola* (Ben. & Hesse, 1863) Tasch., 1878, 573.

*pollachii* Ben. & Hesse, 1863, 90–91, pl. 8, figs. 1–8; 1864, 90–91, pl. 8, figs. 1–8 (in *Merlangus pollachius*).—Braun, 1890a, 408, 410, 417, 446, 510, 532, 548, 550, 551 (in *M. poll.*; Atlantic Ocean).—Gamb., 1896a, 58, fig. 25B.—Mont., 1888a, 7, 10, 34.—Tasch., 1878, 573.

*sciæna* Ben. & Hesse, 1863; 1864, 93, pl. 8, figs. 15–16 (in *Sciæna aquila*).—Braun, 1890a, 465, 532, 548, 549, 552 (in *S. aq.*; Atlantic Ocean).—Tasch., 1878, 573.

*trigla* Ben. & Hesse, 1863; 1864, 92, pl. 8, figs. 9–10 (in *trigles*).—Braun, 1890a, 417, 446, 532, 548, 550, 552 (in *Trigla* sp.; Atlantic Ocean).—Tasch., 1878, 573.

**UDONELLIDÆ** Tasch., 1879, 235 (*Udonellides*), 236; 1879, 68.—Braun, 1890a, 516, 517, 523, 526, 531; 1896b, 7.—Cerf., 1894, 946, 947, 948; 1898b, 361, 362.—Haswell, 1893e, 125.—Hoyle, 1890, 539 (*Udonella*).—Jackson, 1888, 653 (*Udonella*).—Mont., 1888a, 7, 10, 13, 18, 34, 36, 66, 67, 86 (*Udonellides*), 88, 98, 108, 110; 1891, 108; 1903, 336 (subf. *Udonellinae* (g. *Udonella*, *Echinella*, *Pteronella*)).—Scott, 1901, 141.

**UDONELLIDES** Tasch., 1879, 235 (see *Udonellidæ*).—Mont., 1888a, 86.

**UDONELLINÆ** Mont., 1892, Oct. 7, 213 (subf. of *Tristomidæ*); 1903, 336 (f. *Udonellidæ*).—Braun, 1893a, 890.—Pratt, 1900, 646 (includes: *Udonella*, *Echinella*, *Pteronella*), 649.—Scott, T., 1900, 141, 144.

**UDONETLA** Mont., 1888a, 70, for *Udonella*.

**UNICOLA** Rafinesque, 1815, 151, genus of *Fasciolaria*, nomen nudum; to contain species of *Fasciola*, but these are not mentioned. The name has therefore no status at present.

**UROCENTRUM** Nitzsch, 1827, 68 (m. *Cerc. turbo*).

**UROGONIMINÆ** Looss, 1899b, 655.—Pratt, 1902, 889, 906 (includes *Urotygma*, *Urogonimus*, *Urotocus*, *Urotrema*).



- UROGONIMUS** Mont., 1888a, 15, 92, 104 (tod. *macrostomus*); 1892, Oct. 7, 214 (gen. of Distominae); 1893, 82, 154, 155, 157, 162, 164, 165; 1896, 167.—Braun, 1892a, 696, 699, 715, 727, 736; 1893a, 885, 886, 890, 893, 909, 911; 1895b, 138; 1900h, 3; 1900, 390; 1900, 234, 1901, 942, 943; 1902b, 136, 140.—Darr, 1902, 655.—Looss, 1894a, 173, 174; 1896b, 139; 1899b, 536, 538, 542, 551, 648, 653-654, 655, 665, 749, 750.—Luehe, 1899, 532; 1900, 555.—Moniez, 1896a, 90.—Nickerson, 1902, 606.—Ofenheim, 1900, 183.—Poche, 1907, 125.—Pratt, 1902a, 889, 906.—Stiles, 1901, 176, 194.—Stiles & Hass., 1898a, 95, 96 (syn. *Leucochloridium*), type Fasc. *macrostoma*.—Stoss., 1892, 4, 5; 1898, 23.—See also *Leucochloridium* 1835.
- cercatum*, see *cercatus*.
- cercatus* (Mont., 1893) Mont., 1893, 40, 42, 43, 83, 95, 102, 157 (*cercatum* and *cercatus*), 162-166, pl. 5, figs. 64-65; 1896, 167.—Looss, 1894a, 174 (*cercatum*); 1896b, 139, 140; 1899b, 654, 750.—Mueh., 1898, 16 (footnote); 1898, 99.
- insignis* Looss, 1899b, 596, 654, 748-750, figs. 49, 71 (in *Fulica atra*; Marg, Egypt).
- macrostomum* (Rud., 1803) Mont., 1893, 27, 67, 68, 76, 83, 95, 102, 107, 157.
- macrostomus* (Rud., 1803) Mont., 1892, Oct. 7, 187 (*macrostomum*); 1893, 27, 67, 68, 76, 83, 95, 102, 106, 107, 157, 162, 164 (*macrostomum* and *macrostomus*); 1896, 167.—Braun, 1901, 562, 564, 565, 567, 568; 1902b, 40 (in *Fringilla coelebs*), 42 (in *Fringilla linaria*, *Parus palustris*, of Vienna Coll. Nos. 361 and 466), 124, 125 (*macrostomum*), 136, 139 (syns.: *Dist. elegans* pars, *D. caudale* of Mueller in *Coracias garrula*, *D. holostomum* Rud., 1819, *Cladocelum* hol. Stoss., 1892) (in *Rallus aquaticus*, *Gallinula chloropus*, *G. porzana*).—Jacoby, 1900, 20.—Kowal., 1902d, 28 (10); 1904, 25 (10) (in *Turtur aurita*; Dublany).—Looss, 1896b, 139 (to *Dist.*); 1899b, 654, 750, 761.—Muehl., 1898, 16, 17, footnote; 1898, 22, 99, 101.—Stoss., 1896, 127, fig. 1; 1898, 23-24 (in *Numenius tenuirostris*; Monfalcone).—Reported also for *Passer domesticus*.
- rossittensis* Mueh., 1898, 16-17 (in *Turdus pilaris*; East Prussia); 1898b, 4, 22, 100-101, fig. 15 (at Rossitten).—Jacoby, 1900, 20.—Looss, 1899b, 654, 750, type of *Urotocus*.
- URORYGMA** Braun, 1901g, 942 (m. *nanodes*); 1902b, 138.—Pratt, 1902, 889, 904 (key to).
- nanodes* Braun, 1901g, 942-943 (in *Falco nitidus*; Brazil); 1902b, 138-140, figs. 81, 82.
- UROTOCUS** Looss, 1899b, 654-656 (tod. m. *rossittensis*); 1902m, 839.—Braun, 1900, 234; 1900, 390; 1902b, 140.—Luehe, 1901, 488.—Ofenheim, 1900, 183.—Pratt, 1902, 889, 907.
- rossittensis* (Mueh., 1898) Looss, 1899b, 655.
- UROTREMA** Braun, 1900, 390-391 (m. *scabridum*); 1902b, 140.—Looss, 1902m, 839.—Luehe, 1901, 488.—Pratt, 1902, 889, 901.
- scabridum* Braun, 1900, 390-391 (in *Fledermaus*); 1900b, 234-236, pl. 10, figs. 5, 10 (*Noctilio macropus*, *Molossus*, *Phyllostoma*; Brazil).
- VALLISIA** Par. & Per., 1890, 21 (m. *striata*); 1890, 18 (*striata*), *Octocotyli*dæ.—Braun, 1890a, 407, 451, 453, 469, 481, 484, 519, 523, 534, 536, 546; 1893a, 890.—Cerf., 1895h, 920; 1896, 515.—Gamb., 1896a, 73 (*Vallisnia*).—Mont., 1892, Oct. 7, 213 (subg. in *Octocotylinæ*); 1903, 336 (subf. *Octobohtrinæ*).—Pratt, 1900, 646, 651 (key), 656, fig. 32.—Stoss., 1898, 13.
- striata* Par. & Per., 1890, 21 (in *Lichia amia*; Trieste); 1890, 7; 1891, Jan. 19, 17-19.—Braun, 1890a, 534, 536, 548, 551 (in *Lichia amia*; Mittelmeer, Trieste).—Par., 1894, 594, 671.—Pratt, 1900, 656, 657, fig. 32.—Sons., 1890, 138 (to *Octocotyle*).—Stoss., 1898, 13-14.
- VALLISNIA** Gamb., 1896a, 73, for *Vallisnia*.
- VERTUMNUS** Otto, 1823, 294-300 (m. *thetidicola*), syn. of *Phoenicurus*.
- thetidicola* Otto, 1823, 294-300, pl. 41, figs. a-f (in *Thetis fimbria*) (syn. of *Phoenicurus varius* Rud.).—Braun, 1889a, 326.—Krohn, 1842a, 418-423.
- VIRGULINA** Bory St.-Vincent, 1823b, 356, genus of *Cercari*éés.
- WEDLIA** Cobbold, 1860a, 37-38 (*bipartita* Wedl, from *Thynnus vulgaris*, was clearly intended as type).—Braun, 1893a, 894 (faba apparently taken as type by elimination).—Mont., 1888a, 9, 93; 1892, 714.—Tasch., 1879, 607.
- 1878: *Didymozoon* Tasch., 1878, 716.
- 1884: *Weidlia* Scudder, 1884, 335, misprint.

## WEDLIA—Continued.

1902: *Didymostoma* Ariola, 1902, 103 (*bipartitum*).

*bipartita* (Wedl, 1855) Cobbold, 1860a, 38 (in *Thynnus vulgaris*).—Mont., 1893, 150.—Type of *Didymostoma* 1902.

*faba* (Bremser, 1831) Cobbold, 1860a, 38 (syns.: *Monost. faba* Bremser, Duj., Crep., Dies.; *M. bijugum* Miescher, Sieb.; *Globularia* Orlando) (in *Fringilla canaria*, *F. domestica*, *F. spinus*, *Parus major*, *Sylvia sibilatrix*, *S. trochilus*, *Motacilla boarula*).

WEIDLIA Scudder, 1884, 335, misprint for Wedlia.

XENODISTOMUM Staff., 1904, May 3, 483 (*ξένος*=stranger) (m. *melanocystis*).

*melanocystis* Staff., 1904, May 3, 483 (t. h. *Lophius piscatorius*; Canada) (*μέλας*, black; *κύστις*, bladder).—Odh., 1905, 310.

ZEUGORCHIS Staff., 1905, Apr. 11, 691–692 (*ζεύγος*, pair; *ὄρχις*, testicle) (m. *aquatus*).

*aquatus* Staff., 1905, Apr. 11, 691–692 (= Dist. sp. Staff., 1902, 482) (in *Eutenia sirtalis*; Canada).

ZEUGORCHIS Nicoll, 1906, 514 (m. *acanthus*); 1907, 128, renamed *Parorchis*.

*acanthus* Nicoll, 1906, 514, 519–522, pl. 12, figs. 4–5, pl. 13, figs. 6–7 (in *Larus argentatus*).

(XIPHIDIOCERCARIA) Dies., 1855a, 388–390 (subg. of *Cercaria*); 1858d, 253, renamed *C. (Acanthocephala)*.

1858: *C. (Acanthocephala)* Dies., 1858d, 253–255.

*armata* (Sieb., 1837) Dies., 1855a, 388; 1858d, 251, to *C. (Acanthocephala)*.—See *endoloba*, type of *Opisthioglyphe* 1899.

*gibba* (Fil., 1854) Dies., 1855a, 389; 1858d, 257, to *C. (Acanthocephala)*.

*macrocerca* (Fil., 1855) Dies., 1855a, 389; 1858d, 255, to *C. (Acanthocephala)*.—See *cygnoides*, type of *Gorgodera*.

*microcotyla* (Fil., 1854) Dies., 1855a, 390; 1858d, 253, to *C. (Acanthocephala)*.—See *tetracystis*, type of *Cystagora*.

*vesiculifera* Dies., 1855a, 389; 1858d, 254, to *C. (Acanthocephala)*.

*vesiculosa* (Fil., 1854) Dies., 1855a, 389 (syn. of *Cerc. vesiculifera*).

ZOOGONINÆ Odhn., 1902, 63–64.—Goldschmidt, 1902e, 870.—Pratt, 1902, 889, 906 (key) (*Zoogonus*, *Zoogonoides*).

ZOOGONOIDES Odhn., 1902, 61, 64 (tod. *viviparus*).—Goldschmidt, 1902e, 870.—Pratt, 1902, 889, 906 (key).

*viviparus* (Olss., 1868) Odhn., 1902, 62–63, 64, fig. 2.—Goldschmidt, 1902e, 870.—Nicoll, 1907, 72, 83–84, pl. 2, fig. 8, pl. 3, fig. 9 (in *Pleuronectes limanda*, *P. platessa*, *Rhombus maximus*).

ZOOGONUS Looss, 1901d, 439 (tod. *mirus* indicated by “n. g. n. sp.”).—Luehe, 1901, 176.—Odhn., 1902, 58–63, 64.—Pratt, 1902, 889, 906 (key).

*mirus* Looss, 1901, 439–442, fig. 6 (in *Labrus merula*; Trieste).—Goldschmidt, 1902e, 870–876, figs. 1–6 (in *Labrus merula*); 1903a, 535–536; 1905, July, 56; 1905, 607–654, pls. 36–38, figs. 1–42.—Nicoll, 1907, 83.—Odhn., 1902, 58, 59, 60, 61, 64.—Ræwer, 1906, 220, 221.

*rubellus* (Olss., 1868) Odhn., 1902, 59–61, 63, fig. 1.—Goldschmidt, 1902e, 870, 872, 873.

*viviparus* (Olss., 1868) Looss, 1901, 439, 440, 441, 442.—Type of *Zoogonoides* 1902.

ZOOSPERMA Bory St.-Vincent, 1823b, 356.





## ADDENDA.

Since the manuscript of this bulletin left our hands, a number of additional references to trematodes have come into our possession. Only such references as involve new names and new combinations will be inserted in the addenda.

Particular attention is invited to an important change in the International Code relative to the collective groups, namely:

ART. 8.—Recommendation: Certain biological groups which have been proposed distinctly as collective groups, not as systematic units, may be treated for convenience as if they were genera, but they require no type species. Examples: *Agamodistomum*, *Amphistomulum*, *Agamoflaria*, *Agamomermis*, *Sparganum*.

In the present bulletin, types were designated for certain of these groups before the foregoing article was adopted. Such designation becomes null and void under this article.

(385)

## ADDITIONAL SPECIFIC NAMES.

- acanthus* Nicoll, 1906. [See supra, p. 10.] Add: 1907: Parorchis.
- affinis* Looss, 1907, 158, t. h. *Anguilla chrysypa*, *Osmerus mordax*; U. S. A.—1907: *Brachyphallus*.
- albida* Braun, 1893. [See supra, p. 12.] Add: 1898: *Campula*.
- angulatum* Linst., 1907, 202, t. h. *Lucioperca sandra*; Wolga.—1907: *Phyllodist.*
- annuligerum* Nord., 1832. [See supra, p. 14.] Add: 1904: *Diplost.*
- appendiculata* Pelseneer, 1906, 167, t. h. *Natica alderi*; Boulogne-sur-Mer.—1906: *Cerc.*
- baccutus* Nicoll, 1907, 72, t. h. *Hippoglossus vulgaris*; Scotland.—1907: *Stephanochasmus*.
- baetillare* Mol., 1859. [See supra, p. 16.] Add: 1907: *Ophecona*, type.
- baculatum* Lint., 1907, 119, for *baculum* (*Gasterost.*).
- bathycotyle* Fischder., 1903b, 542, for *bathycotyle* (*Paramphist.*).
- bovum* Nakahama, (1883b).—1883: *Amphist.*
- branchialis* Willem, 1906, 599, t. h. *Rale bouclée*; Belgium.—1906: *Acanthocotyle*.
- brevicauda* Pelseneer, 1906, 167, t. h. *Littorina rudis*; Wimereux.—1906: *Cerc.*
- breviductus* Looss, 1907, 596, t. h. *Pelamys sarda*; Atlantic Ocean.—1907: *Dinurus*.
- burki* Rathelot, 1892a, 14, for *buskii* (*Dist.*).
- buski* Rail., 1898, 172, for *buskii* Lankester.—1898: *Campula*.
- caducum* Looss, 1907, 615, t. h. *Umbrina cirrhosa*.—1907: *Pristisomum*.
- calculus* Looss, 1907, 610, t. h. *Larus argentatus*, *L. ridibundus*; Trieste.—1907: *Pachytremia*.
- caligarum* Ben., 1858a, 1861a, 12, for *calligorum* (*Udonella*).
- clignoides* Desmonceaux, 1868a, 21, for *cygnoides* (*Dist.*).
- columba* Mazzanti, 1889. [See supra, p. 24.] Add: 1890: *Mesogonimus*.
- commutatum* Dies., 1850. [See supra, p. 24.] Add: 1898: *Clinost.*
- complexa* Stiles & Hass., 1894. [See supra, p. 25.] Add: 1898: *Campula*.
- conchicala* Nord., 1833b, 281, for *conchicola* (*Aspidogaster*).
- conchilega* Braun, 1883a, 41, for *conchicola* (*Aspidogaster*).
- conjuncta* Cobbold, 1860. [See supra, p. 25.] Add: 1898: *Campula*.
- conus* Crep., 1825. [See supra, p. 26.] Add: 1898: *Campula*.
- cornu* Dies., 1839. [See supra, p. 26.] Add: 1907: *Diplodiscus*.
- cornuta* Mueller, 1776a, 221.—1776: *Plan.*
- cotti* Zschokke, 1884, 6, t. h. *Cottus gobio*.—1884: *Sporocystis*.
- crenatum* Mol., 1859. [See supra, p. 27.] Add: 1907: *Lecithocladium*.
- crispata* Pelseneer, 1906, 171, t. h. *Natica alderi*; Boulogne.—1906: *Cerc.*
- cristatum* Rud., 1819. [See supra, p. 27.] Add: 1907: *Lecithocladium*.
- cuculus* Thoss, 1897, 1, t. h. *Larus ridibundus*; Kiel.—1897: *Holost.*
- cygnoides* *rana* Wagener, 1857, 19.—1857: *Dist.*
- cylindriacum* Daday, 1907, 560, for *cylindraceum* (*Dist.*).
- cylindricus* Dies., 1836. [See supra, p. 28.] Add: 1907: *Pseudocladorchis*, type.

- dentalii* Pelseneer, 1906, 170, t. h. *Dentalium tarentinum*.—1906: Cerc.  
*didactyla* Mrazek, 1907, 1, t. h. *Atyaephyra desmarestii*; Plavnic. —1907: Scutariella.  
*dipellis* Nicoll, 1907, 247, t. h. *Oidemla fusca*, *O. nigra*; Great Britain.—1907: Gymnophallus.  
*dorsale* Freund, 1907, 718, for chordale (Amphist.).  
*egyptiaca* Pease, 1901b, 7, for ægyptiaca (Fasc.).  
*emasculans* Pelseneer, 1906, 166, t. h. *Littorina rudis*; Wimereux.—1906: Cerc.  
*endorfi* Par. & Perugia, 1895, 2, for hendorfi (Phylline).  
*excellens* Nicoll, 1907, 247, t. h. *Larus argentatus*; Great Britain.—1907: Spelotrema.  
*fenestratum* Lint., 1907, 111, t. h. *Lycodontis moringa*; Bermuda.—1907: Dist.  
*feriatum* Nicoll, 1907, 247, t. h. *Egialitis hiaticula*, *Hæmatopus ostralegus*, *Pelidna* (Tringa) alpina, *Totanus calidris*, *Vanellus vanellus*; Great Britain.—1907: Spelotrema.  
*ferrum-equinum* Dies., 1836. [See supra, p. 35.] Add: 1907: Microchlis.  
*filum* Looss, 1907, 606, t. h. *Talpa europæa*; Leipzig.—1907: Itygonimus.  
*furcata* Mueller, 1786a, 299, free form.—1786: Vorticella. 1816: Furcularia. [1825: Furcocerca serrata.]  
*fusiforme* Luehe, 1901. [See supra, p. 37.] Add: 1907: Sterrhurus.  
*galeatus* Looss, 1907, 165, t. h. *Mugil auratus*; Coast of Egypt.—1907: Leclthaster.  
*gazzetta* Arch. f. Naturg., 1901, v. 2 (8), 188, for garzettæ (Echinost.).  
*giardi* Pelseneer, 1906, 170 t. h. *Buccinum undatum*; Boulogne.—1906: Cerc.  
*glaviger* Ssinitzin, 1906, 687, for claviger (Pleurogenes).  
*gracilius* Pelseneer, 1906, 176, for gracilescens (Gasterost.).  
*grandiporum* Rud., 1819. [See supra, p. 39.] Add: 1907: Sterrhurus.  
*gratiosum* Nicoll, 1907, 247, t. h. *Pelidna* (Tringa) alpina; Great Britain.—1907: Maritrema.  
*gravidum* Looss, 1907, 603, t. h. *Anguilla vulgaris*; ?Triest.—1907: Leclthochilium.  
*gulosum* Lint., 1901. [See supra, p. 39.] Add: 1907: Leclthocladium.  
*gyrinus* Lint., 1907, 107, t. h. *Lactophrys tricornis*, *L. trigonus*; Bermuda.—1907: Dist.  
*hæmatodium* Dewitz, 1892b, 106, for hæmatobium (Dist.).  
*haswelli* Mont., (1898), 1899, 122, see blanchardi 1893.—1899: Actinodactynella (type).  
*hepaticum hominis* Cobbold, 1884g, 976.—1884: Dist. See Fasc. hep.  
*heterophyes* Sieb., 1853. [See supra, p. 41.] Add: 1898: Clinost. 1904: Paragonimus.  
*hæmatobium* Rathelot, 1892a, 14, 15, for hæmatobium (Dist.).  
*humile* Nicoll, 1907, 247, t. h. *Totanus calidris*; Great Britain.—1907: Maritrema.  
*imocavus* Looss, 1907, 601, t. h. *Thynnus* sp. (?thunnina); Alexandria, Egypt.—1907: Sterrhurus.  
*inermis* Goto, 1899a, 273, see læve var. inermis (Trist.).  
*inversum* Looss, 1907, 615, t. h. *Chrysophrys aurata*; Triest.—1907: Placotrema.  
*jacksoni* Cobbold, 1869a, 80, for jacksonii (Fasc.).  
*jaksoni* Stazzl, 1900, 3, 4, 5, for jacksonii (Fasc.).  
*jejunum* Nicoll, 1907, 248, t. h. *Totanus calidris*; Great Britain.—1907: Toco-trema.  
*kordatum* see cordatum.  
*laguncula* Looss, 1907, 69, t. h. [fish]; Triest.—1907: Aponurus, type.  
*lamelliforme* Lint., 1907, 108, t. h. *Ballistes carolinensis*, *Lactophrys tricornis*, *L. trigonus*; Bermuda.—1907: Dist.

- lapidus* Looss, 1907, 69, t. h. fish. [See p. —.]—1907: Ectenurus.  
*laurentina* Borelli, 1897, 1.—1897: Plan.  
*lenori* Mont., 1896, 167, for lenoiri (Cephalogonimus).  
*lepidum* Nicoll, 1907, 247, t. h. *Larus argentatus*; Great Britain.—1907: *Martrema*.  
*lepidus* Looss, 1907, 597, t. h. *Lichia amia*.—1907: Ectenurus, type.  
*leptosomum* Ræwer, 1906, 185, 186, for leptostomum (Dist.).  
*levenseni* Lint., 1907, 110, t. h. *Epinephelus maculosus*, *E. striatus*; Bermuda.—1907: Dist.  
*longistinus* Looss, 1907, 596, t. h. *Coryphæna hippuris*; Red Sea, Aden.—1907: *Dinurus*.  
*lophocerca* Fil., 1857. [See supra, p. 49.] Add: 1907: Monost.  
*lugubris* Morgan, 1901, 179.—1901: Plan.  
*lunatus* Dies., 1836. [See supra, p. 49.] Add: 1907: *Chlorchis*.  
*macrophallos* Linst., 1875. [See supra, p. 50.] Add: 1907: *Levinseniella*.  
*macrostomus* Daday, 1907, 506, t. h. *Salmo pacupa*, *S. sp.*; South America.—1907: *Pseudocladorchis*.  
*mamillaris* Gertner in Pallas, 1774, 20.—1774: *Distomus*.  
*marenzelleri* Daday, 1907, 473, t. h. *Salmo sp.*; South America.—1907: *Diplo-discus*.  
*margaritarum* Dubois, 1901. [See supra, p. 51.] Add: 1907: *Gymnophallus*.  
*marmorata* Bosc, 1802a, v. 1, 262, for marmorosa?—1802: Plan.  
*mcconnelli* McConnell, 1878a, 406, for macconnelli (Dist.).  
*megacotyle* Dies., 1836. [See supra, p. 52.] Add: 1907: *Microrchis*, type.  
*megalocotyle* Walter, 1893, 19, 24, for megacotyle (Amphist.).  
*merlangi* Lebour, 1907, 442, for merlangi (*Octobothrium*).  
*myocera* Lebour, 1906, 7, for myocerca (*Cerc.*).  
*minor* Ben., 1858, 98, see armata minor (*Cerc.*).  
*montenegrina* Mrazek, 1904a, 1; Montenegro.—1904: Plan.  
*monticelli* Mont., 1905, 74, for monticelli (*Acanthocotyle*).  
*muehlingi* Nicoll, 1907, 257, 259, for mühlhlingi (Dist.).  
*musculus* Looss, 1907, 600, t. h. *Anguilla vulgaris*, *Dentex vulgaris*; Trieste.—1907: *Sterrhurus*, type.  
*myocercoides* Pelseneer, 1906, 162, t. h. *Syndosmya alba*; Boulogne-sur-Mer.—1906: *Cerc.*  
*nanus* Stiles & Goldberger, 1908, 23, t. h. *Francolinus subtorquatus*; Africa.—1908: Agamodist.  
*nephrodorchis* Daday, 1907, 501, t. h. *Salmo pacu*, *S. pacupa*; South America.—1907: *Pseudocladorchis*.  
*nigrotincta* Pelseneer, 1906, 166, t. h. *Syndosmya alba*; Boulogne-sur-Mer.—1906: *Cerc.*  
*novæ zealandiæ* Haswell, 1888, 50, for novæ zelandiæ (*Temnocephala*).  
*obtusicauda* Pelseneer, 1906, 182, for obtusicaudata (*Cerc.*).  
*obtusicaudata* Pelseneer, 1906, 167, t. h. *Natica alderi*; Boulogne.—1906: *Cerc.*  
*oocysta* Lebour, 1907, 439, t. h. *Paludestrina stagnalis*; Northumberland Coast.—1907: *Cerc.*  
*opaca* Ward, 1894. [See supra, p. 59.] Add: 1907: *Levinseniella*.  
*ophthalmobium* Rathelot, 1892a, 14, for ophthalmobium (Dist.).  
*paguri* Nord., 1833b, 379.—1833: Polyst.  
*pancreaticum* Katsurada & Saito, —, Hyg. Centralbl., v. 3, Oct., 279, for pancreaticum (Dist.).  
*papillatus* Daday, 1907, 520, t. h. *Cholossoma brachypoma*; Paraguay.—1907: *Chlorchis*.  
*paronæ* Mont., 1907, 3, t. h. *Crenilabrus pavo*; Genoa.—1907: *Encotyllabe*.  
*parvirenalis* Pelseneer, 1906, 165, t. h. *Natica alderi*; Boulogne.—1906: *Cerc.*  
*pedicellatum* Luehe, 1900n, 487, for pedicellatum (Dist.).

- pellucida* Jägers. 1907, 134, t. h. *Anas boschas fera*, *Fuligula fuligula*; West Coast of Sweden.—1907: *Levinseniella*.
- peteromyzi fluvialilis* Dies., 1858e, 316, for *peteromyzi fluvialilis* (*Diplost.*).
- philippincensis* Stiles & Goldberger, 1908, 23, t. h. *Bos* sp.; Manila, P. I.—1908: *Homalogaster*.
- pirum* Lebour, 1907, 439, t. h. *Paludestrina stagnalis*; Northumberland Coast.—1907: *Cerc.*
- polymastus* Schneldemuehl, 1896, 303, for *polymastos* (*Gastrodiskus*).
- preistis* Mola, 1907, 39, for *pristis* (*Dist.*).
- propinqua* Jägers., 1907, 135, t. h. *Charadrius hiaticula*, *Hæmatopus ostralegus*; West Coast of Sweden.—1907: *Levinseniella*.
- pumex* Looss, 1907, 615, t. h. *Caranx trachurus*.—1907: *Pristisomum*. [*pupula* Bory St.-Vincent, 1825b, 252.—1825: *Histrionella*.]
- pussillum* Harz, 1881c, 3, for *pusillum* (*Dist.*).
- putorii* Schrank,? or Gmelin, 1790. [See supra, p. 66.] Add: 1898: *Echinost.*
- quadrangulatum* Daday, 1907, 470, t. h. *Salmo pacu*; Cuyaba.—1907: *Dist.*
- raggazzii* Janicki, 1907, 719, for *ragazzii* (*Syncællum*).
- ragazzii* Arlola, 1899, 135, for *ragazzii* (*Dist.*).
- ranerium* Nardo, 1833a, 523, for *raynerianum* (*Dist.*).
- rathousii* Mont., 1893, 33, for *rathouisi* (*Dist.*).
- ropaloides* Olss., 1867a, 19, 48, for *ropaloides* (*Amphist.*).
- rugosa* Dies., 1850a, 408, t. h. *Antilope pyarga*; Port Natal.—1850: *Gyrocotyle*, type.
- rugosus* Looss, 1907, 591, t. h. *Clupea pilchardus*, *C. sardina*, *Rhombus maximus*; Triest.—1907: *Hemirurus*.
- sanguicola* delle Chiaje, 1825a, 15.—1825: *Hexathyridium*.
- sciænæ* Fraip., 1880c, 442, for *sciænæ* (*Eplbdella*).
- scleroporum* Rud. of Brand., 1891d, 19, for *Crep.*?—1891: *Amphist.*
- semifuscum* Looss, 1907, 607, t. h. *Circetus* [= *Circætus*?] *gallicus*; Genoa.—1907: *Platynosum*, type.
- seminis* Owen, 1835l, 394.—1835: *Cerc.*
- serrata* Bory St.-Vincent, 1825a, 84, t. h. "Infusion de foin."—1825: *Furcocerca*.
- siluris glanidis* Hofer, 1904a, 169, for *siluri glanidis* (*Dactylogyrus*).
- simile* Jägers., 1900. [See supra, p. 72.] Add: 1906: *Dist.*
- simplicissima* Morgan, 1904, 385.—1904: *Plan.*
- sincensis* Cobbold, 1875. [See supra, p. 72.] Add: 1898: *Campula*.
- stellatus* Looss, 1907, 165, t. h. *Belone acus*, *Dentex vulgaris*, *Mæna vulgaris*; Triest.—1907: *Leclthaster*.
- stossichi* Looss, 1907, 69, for *stossichii* Mont.—1907: *Aphanurus* (type).
- subtenue* Lint., 1907, 106, t. h. *Calamus calamus*, *Harpe rufa*, *Iridio bivittatus*, *Lachnolaimus maximus*; Bermuda.—1907: *Dist.*
- syndosmya* Pelseneer, 1906, 172, t. h. *Syndosmya alba*; Boulogne-sur-Mer.—1906: *Cerc.*
- tenuicollis* Rud., 1819. [See supra, p. 77.] Add: 1898: *Campula*.
- tomæ* Lint., 1907, 112, t. h. *Epinephelus striatus*; Bermuda.—1907: *Dist.*
- tornatum* Rud., 1819. [See supra, p. 78.] Add: 1907: *Dinurus* (type).
- triangula* Linst., 1878, 72, for *triangulare* (*Dist.*).
- trilobata* Bory St.-Vincent, 1825a, 84, t. h. "Infusions d'écorce de chêne."—1825: *Furcocerca*.
- trimellaris* Bosc, 1802a, v. l, 262.—1802: *Plan.*
- trulla* Lint., 1907, 109, t. h. *Ocyurus chrysurus*; Bermuda.—1907: *Dist.*
- ubiquita* Lebour, 1907, 439, t. h. *Littorina obtusata*, *L. rudis*, *Paludestrina stagnalis*; Northumberland Coast.—1907: *Cerc.*
- urna* Grube & Wagener, 1852, 543, t. h. *Chimæra monstrosa*.—1852: *Amphiptyches* (type).—1896: *Gyrocotyle*. [Now in the *Cestodaria*.]
- vallei* Mont., 1907, 3, t. h. *Chrysophrys aurata*; Triest.—1907: *Encotyllabe*.



- vaullegeardi* Pelseneer, 1906, 175, t. h. *Trochus cinerarius*; Wilmereux.—1906: Cerc.
- virgula* Looss, 1907, 111, t. h. *Cepola rubescens*, *Engraulis encrasicolus*; Triest.—1907: *Aphanurus*.
- volgensis* Linst., 1907, 201, t. h. *Lucioperca sandra*; Wolga.—1907: *Ptychogonimus*.
- watsoni* Conyngham, 1904. [See supra, p. 83.] Add: 1907: *Gastrodiscus*.
- westermanni* Rall., 1898, 173, for *westermanii* Kerbert, 1878. [See supra, p. 83.] Add: 1898: *Clinost.*

## ADDITIONAL GENERIC AND SPECIFIC BIBLIOGRAPHY.

- ACANTHOCOTYLE.** [See above, p. 85.]  
*branchialis* Willem, 1906, 599-607, figs. 1-10 (In *Rale bouclée*; Belgium).
- AGAMODISTOMUM.** [See above, p. 87.]  
*nanus* Stiles & Goldberger, 1908, 30-33, figs. 45-64 (In *Francolinus subtorquatus*; Benguela, West Africa).
- AMPHIPTYCHES** Grube & Wagener, 1852, 543 (m. urna).  
*urna* Grube & Wagener, 1852, 543-554 (In *Chimæra monstrosa*).
- AMPHISTOMA.** [See above, p. 89.]  
*bovium* Nakahama, (1883b).—*Teste Surg.-Gen. Cat.*  
*dorsale* Freund, 1907, 718, for chordale.  
*megalocotyle* Walter, 1893, 19, 24, for megacotyle.  
*ropaloides* Olss., 1867a, 19, 48, for ropaloides.
- APHANURUS** Looss, 1907, May 14, 591 (tod. stossichi), Hemiurinae, Hemiuridae;  
 1907, 69, 74, 78, 98, 107-109, 160.  
*stossichi* (Mont., 1891) Looss, 1907, 591 (In *Box boops*, *Caranx trachurus*, *Clupea pilchardus* (t. h.), *C. sardina*, *Lichia amia*, *Maena vulgaris*; Naples, Trieste, t. l.); 1907, 69, 107, 109-111, 159, pl. 8, figs. 7, 8 (In *Clupea aurita*).
- virgula* Looss, 1907, May 14, 592 (In *Cepola rubescens*, *Engraulis encrasicolus*; Trieste); 1907, 111, 159, pl. 9, figs. 15, 16.
- APONURUS** Looss, 1907, May 14, 607-608 (tod. laguncula), Lecithasterinae, Hemiuridae; 1907, 69, 74, 78, 99, 101, 111, 160-168.  
*laguncula* Looss, 1907, May 14, 608 (In *Belone acus*, *Lichia amia*, *Engraulis encrasicolus*, *Mullus barbatus*, *Cadus euxinus*, *Merluccius esculentus*, *Trachinus draco*; Trieste); 1907, 69, 110, 167, 169, pl. 13, figs. 53, 54, pl. 15, figs. 77, 78 (In *Maena vulgaris*; Trieste).
- ASPIDOGASTER.** [See above, p. 103.]  
*conchicola* Nord., 1833b, 281, for conchicola.
- BRACHILAIMUS** Neumann, 1897f, 674, misprint for *Brachylaimus*. [See above, p. 116.]
- BRACHYPIALLUS.** [See above, p. 116.]  
*affinis* Looss, 1907, 158-159, *B. crenatus* Rud. of Lander, 1904, renamed (In *Anguilla chryssa*, *Osmerus mordax*; U. S. A.).
- CALYCOTYLE** Mont., 1892a, 213, for *Calicotyle*. [See above, p. 119.]
- CAMPULA.** [See above, p. 120.]  
*albida* (Braun, 1893) Rail., 1898, 172 (In cat and dog).  
*buski* (Lankester, 1857) Rail., 1898, 172.  
*complexa* (Stiles & Hass., 1894) Rail., 1898, 172 (In cat).  
*conjuncta* (Cobbold, 1860) Rail., 1898, 172 (In Canidés).  
*conjuncta* (of McConnell, 1875) Rail., 1898, 172 (In man).  
*conus* (Crep., 1825) Rail., 1898, 172 (syn. *Amphist. truncatum*).—Reported for *Phoca groenlandica*, *P. vitulina*.  
*sincensis* (Cobbold, 1875) Rail., 1898, 172.  
*tenuicollis* (Rud., 1819) Rail., 1898, 172 (syns. *D. felineum*, *D. tenuicollis*) (In cat and dog, *Phoca*).
- (CEPHALOGONIMUS).** [See above, p. 121.]  
*species* Staff., 1902, 481.

**CERCAREA** Cobbold, 1873c, 14, for *Cercaria*. [See p. 121.]

**CERCARIA**. [See above, p. 121.]

*appendiculata* Pelseneer, 1906, 167, 174-175, 179, pl. 12, figs. 46-52 (in *Natica alderi*; Boulogne-sur-Mer).

*brevicauda* Pelseneer, 1906, 167, 179, 184, pl. 9, figs. 10, 11 (in *Littorina rudis*; Wimereux).

*crispata* Pelseneer, 1906, 171-172, 179, pl. 11, figs. 39-40 (in *Natica alderi*; Boulogne).

*dentalii* Pelseneer, 1906, 170, 171, 181, pl. 11, figs. 34, 35 (in *Dentalium tarentinum*).

*emasculans* Pelseneer, 1906, 166, 179, pl. 9, fig. 12 (in *Littorina rudis*; Wimereux).

*giardi* Pelseneer, 1906, 170-171, pl. 11, figs. 36-38 (in *Buccinum undatum*; Boulogne).

*migocera* Lebour, 1906, 7, for *myocerca* (in *Scrobicularia tenuis*).

*minor* Ben., 1858, 98, see *armata minor*.

*myocercoides* Pelseneer, 1906, 162-163, 179, pl. 8, figs. 1-2 (in *Syndosmya alba*; Boulogne-sur-Mer).

*nigrotincta* Pelseneer, 1906, 166, 179, pl. 9, fig. 9 (in *Syndosmya alba*; Boulogne-sur-Mer).

*obtusicauda* Pelseneer, 1906, 182, ?for *obtusicaudata*.

*obtusicaudata* Pelseneer, 1906, 167-168, 179, pl. 9, figs. 16-19, pl. 12, fig. 44 (in *Natica alderi*; Boulogne).

*oocysta* Lebour, 1907, 439, 440, 445-446, pl. 10, figs. E, F, G, (in *Paludestrina stagnalis*; Northumberland Coast).—Nicol, 1907, 269.

*parvirenalis* Pelseneer, 1906, 165-166, 179, pl. 8, figs. 7, 8 (in *Natica alderi*; Boulogne).

*pirum* Lebour, 1907, 439, 440, 446-447, pl. 9, figs. F, G, (in *Paludestrina stagnalis*; Northumberland Coast).—Nicol, 1907, 269.

*seminis* Owen, 1835i, 394.

*species* Lebour, 1906, 7 (in *Donex vittatus*, *Tellina tenuis*; Alnmouth Land).

*species* Lint., 1905d, 333, 401 (in *Monacanthus hispidus*; Beaufort, N. C.).

*syndosmya* Pelseneer, 1906, 172-173, 179, 185, pls. 10, 11, figs. 20, 21, 23 (in *Syndosmya alba*; Boulogne-sur-Mer).—Giard, 1907, 419 (in *Syndosmya alba*).

*ubiquita* Lebour, 1907, 439, 440, 444-445, pl. 9, figs. D, E, (in *Littorina obtusata*, *L. rudis*, *Paludestrina stagnalis*; Northumberland Coast).

*vaullegeardi* Pelseneer, 1906, 175-176, 179, 180, pl. 11, figs. 41-43, 45 (in *Trochus cinerarius*; Wimereux).

**CHLONELLA** Ben. & Hesse, 1863, 80.—Mont., 1907, 6, syn. of *Encotyllabe*.

**CHIORCHIS**. [See above, p. 135.]

*lunatus* (Dies., 1836) Daday, 1907, 472.

*papillatus* Daday, 1907, 520-525, 534, 535, 536, 537, 538, 541, 542, 543, 545, 546, 547, 548, 550, 551, 552, 554, 555, 556, 557, 558, 561, 562, 564, 566, 567, 568, 570, 571, 572, 579, 581, 582, pl. 26, figs. 16, 17, 21, 24, 25, pl. 27, figs. 3, 4 (t. h. *Colossoma brachypoma*; Paraguay; also in *Doras murica*, *Salmo pacu*).

**CLINOSTOMUM**. [See above, p. 137.]

*commutatus* (Dies., 1850) Rall., 1898, 173 (in pigeonneaux, poulets).

*heterophyes* (Sieb., 1853) Rall., 1898, 173 (in chien, homme).

*wcstermanni* (Kerbert, 1871) Rall., 1898, 173 (in chat, chien, homme).

**DACTYLOCOTYLE**. [See above, p. 144.]

*species* Lint., 1905d, 333, 352, pl. 20, fig 151 (in *Brevoortia tyrannus*; Beaufort, N. C.).

**DACTYLOGYRUS**. [See above, p. 145.]

*siluris glanidis* Hofer, 1904a, 169, for *siluri glanidis*.

*species* Olss., 1883a, 53 (in *Coregonus lavaretus*).

- DIACROCELIUM** Neumann, 1897f, 673, misprint for *Dicrocellum*.
- DINURINÆ** Looss, 1907, May 14, 592-593 (subf. of Hemiluridæ, contains: *Dinurus*, *Etenurus*): 1907, 69, 90, 111-112, 125.
- DINURUS** Looss, 1907, May 14, 593 (tod. *tornatus*) [nec *Dinoura* Ashmead]; *Dinurinae*, Hemiluridæ; 1907, 69, 90, 112-117, 123, 131
- barbatus* (Cohn, 1902) Looss, 1907, 594-596 (in *Coryphæna equisetis*, *C. hippurus*, *Pelamys sarda*): 1907, 118, 121, pl. 8, fig. 11, pl. 9, figs. 19, 20, 21.
- breviductus* Looss, 1907, May 14, 596 (t. h. *Pelamys sarda*; Atlantic Ocean; also in *Coryphæna hippurus*, at Beaufort, N. C.): 1907, 118-119, 120, 121, 122, pl. 8, fig. 12, pl. 10, figs. 22, 23.
- longisinus* Looss, 1907, May 14, 596 (in *Coryphæna hippurus*; Red Sea, near Aden); 1907, 86, 119-123, pl. 8, fig. 13, pl. 10, figs. 24, 25.
- tornatus* (Rud., 1819) Looss, 1907, 593-594 (in *Coryphæna equisetis*, *C. hippurus*, (t. h.) *Pelamys sarda*; Beaufort, N. C., Atlantic Ocean); 1907, 69, 112, 117, 120, 121, 122, pl. 8, figs. 9, 10; pl. 9, figs. 17, 18.
- DIPILODISCUS**. [See above, p. 155.]
- cornu* (Dies., 1839) Daday, 1907, 478-481, 527, 530, 533, 545, 546, 547, 549, 550, 551, 552, 554, 565, 568, 576, 581, pl. 24, figs. 11-15 (in *Cataphractus vaca* [= *Doras*] *vaca*; Rio Branco).
- marenzelleri* Daday, 1907, 473-478, 481, 527-530, 531, 532, 533, 546, 547, 548, 549, 550, 551, 552, 554, 564, 565, 568, 572, 576, 581, pl. 24, figs. 4-10 (in *Salmo* sp.; loc. South America, same as *Amphist. oxycephalum*).
- DIPLOSTOMIASIS** Hofer, 1904a, 138ff, refers to infection with *Diplostomum*.
- DIPLOSTOMUM**. [See above, p. 156.]
- annuligerum* (Nordm., 1832) Hofer, 1904a, 295, 296, fig. 189 (in *Perca fluviatilis*).
- petromyzi fluviatilis* Dies., 1858e, 316, for *peteromyzi* fluv.
- DISTOMA**. [See above, p. 159.]
- betcourtii* Mont., 1892b, 127, pl. 8, fig. 12.
- burki* Rathelot, 1892a, 14 for *buskii*.
- cygnoides* Desmonceaux, 1868a, 21, for *cygnoides*.
- cylindriacum* Daday, 1907, 560, for *cylindraceum*.
- fencstratum* Lint., 1907, 111-112, pl. 12, figs. 86-91 (in *Lycodontis moringa*; Bermuda); includes *Dist. sp.* Lint., 1904, 373, figs. 213-214.
- folium* Olfers, 1816. [See supra, p. 190.]—Zschokke, 1884, 11, 50-52, pl. 2, fig. 11 (in *Cottus gobio*, *Salmo umbla*, *Thymallus vulgaris*, *Trutta variabilis*): 1896, 773, 774, 776, 780, 783, 820 (in *Trutta fario*, *Cottus gobio*).
- gyrinus* Lint., 1907, 107-108, pl. 10, figs. 72-74 (in *Lactophrys tricornis*, *L. trigonus*; Bermuda).
- hamatodium* Dewitz, 1892b, 106, for *hamatobium*.
- hamatobium* Rathelot, 1892a, 14, 15, for *hamatobium*.
- lamelliforme* Lint., 1907, 108-109 (in *Ballistes carolinensis*, *Lactophrys tricornis*, *L. trigonus*; Bermuda).
- levenseni* Lint., 1907, 110, pl. 12, figs. 80-83 (in *Epinephelus maculosis*, *E. striatus*; Bermuda).
- muehlingi* Nicoll, 1907, 257, 259, for *mühlingi*.
- noverca* (Braun, 1902) Verdun, 1907, 274.
- ophthalmobium* Rathelot, 1892a, 14, for *ophthalmobium*.
- pancreatikum* Katsurada & Saito, Hyg. Centralbl., v. 3, Oct., 279, for *pancreaticum*.
- pristis* Mola, 1907, 39, for *pristis*.
- quadrangulatum* Daday, 1907, 470-472, pl. 24, figs. 1-3 (in *Salmo paku* = *Mycetes bidens*; Cuyaba).
- rajazzii* Ariola, 1899, 135 to (Polyorchis), for *ragazzii*.
- rancirum* Nardo, 1833a, 523, for *raynerlanum*.
- similis* (Jägers., 1900) Lebour, 1906, 6.

## DISTOMA—Continued.

- species Hausmann, 1890a, 448, 450 (in *Gallus dom.*).
- species Hausmann, 1890a, 449 (in *Corvus frugilegus*).
- species Schröder, Hofer, 1904a, 285 (in *Esox lucius*).
- species Lebour, 1905, 1–3, figs. A, C (in *Cardium edule*).
- species Lebour, 1907, 102–104, pl. 7 (in *Cardium edule*; England).
- species Lebour, 1907, 105–106, pl. 8, figs. C–D (in *Patella vulgata*).
- species Lebour, 1907, 104–105, pl. 8, figs. A, B (in *Purpura lapillus*; England).
- species Lint., 1905d, 335, 389, pl. 23, figs. 168, 169, 170 (in *Bairdiella chrysura*; Beaufort, N. C.).
- species Lint., 1905d, 335, 403, pl. 29, fig. 208 (in *Chilomycterus schœpfi*; Beaufort, N. C.).
- species Lint., 1905d, 335, 374 (in *Coryphæna equisetis*; Beaufort, N. C.).
- species Lint., 1905d, 335, 373, pl. 30, figs. 213, 214 (in *Coryphæna hippurus*; Beaufort, N. C.).
- species Lint., 1905d, 335, 385 (in *Cynoscion regalis*; Beaufort, N. C.).
- species Lint., 1905d, 335, 350, pl. 29, fig. 209 (in *Galeichthys milberti*; Beaufort, N. C.).
- species Lint., 1905d, 335, 382, pl. 24, fig. 179 (in *Lagodon rhomboides*; Beaufort, N. C.).
- species Lint., 1905d, 335, 393 (in *Leiostomus xanthurus*; Beaufort, N. C.).
- species Lint., 1905d, 335, 415 (in *Lophopsetta maculata*; Beaufort, N. C.).
- species Lint., 1905d, 335, 360 (in *Menidia menidia*; Beaufort, N. C.).
- species Lint., 1905d, 335, 397 (in *Micropogon undulatus*; Beaufort, N. C.).
- species Lint., 1905d, 335, 410, pl. 22, fig. 167, pl. 29, fig. 205, pl. 30, fig. 215 (in *Opsanus tau*; Beaufort, N. C.).
- species Lint., 1905d, 335, 413, 414 (in *Paralichthys albiguttus*; Beaufort, N. C.).
- species Lint., 1905d, 335, 404, pl. 21, fig. 157 (in *Prionotus scitulus*; Beaufort, N. C.).
- species Lint., 1905d, 335, 349, pl. 30, fig. 210 (in *Pteroplatea maclura*; Beaufort, N. C.).
- species Lint., 1905d, 335, 372, pl. 23, figs. 171, 172 (in *Rachycentron canadus*; Beaufort, N. C.).
- species Lint., 1905d, 335, 364, pl. 29, figs. 206, 207 (in *Seriola lalandi*; Beaufort, N. C.).
- species Lint., 1905d, 335, 359 (in *Siphostoma fuscum*; Beaufort, N. C.).
- species Lint., 1905d, 335, 402, pl. 22, fig. 165 (in *Spheroides maculatus*; Beaufort, N. C.).
- species Lint., 1905d, 335, 361, pl. 30, fig. 211 (in *Sphyræna borealis*; Beaufort, N. C.).
- species Lint., 1905d, 335, 353, pl. 22, fig. 166 (in *Stolephorus brownii*; Beaufort, N. C.).
- species Lint., 1905d, 335, 416, pl. 22, figs. 161, 162, 163, 164, pl. 30, fig. 212 (in *Symphurus plagiosa*; Beaufort, N. C.).
- species Lint., 1905d, 335, 366, pl. 29, fig. 204 (in *Trachinotus carolinus*; Beaufort, N. C.).
- species Lint., 1907, 114, pl. 7, fig. 57 (in *Angelichthys ciliaris*; Bermuda).
- species Lint., 1907, 117, pl. 12, fig. 84 (in *Ballistes carolinensis*; Bermuda).
- species Lint., 1907, 116, pl. 10, fig. 70 (in *Bodianus fulvus punctatus*; Bermuda).
- species Lint., 1907, 115–116, pl. 10, fig. 69 (in *Chaetodon* sp.; Bermuda).
- species Lint., 1907, 117, pl. 13, fig. 85 (in *Paranthias furcifer*; Bermuda).
- species Lint., 1907, 118 (in *Salarichthys textilis*; Bermuda).
- species Lint., 1907, 114, pl. 8, figs. 59–60 to (*Lecithocladium*) (in *Seriola dumerilii*; Bermuda).

## DISTOMA—Continued.

- species Lint., 1907, 113, pl. 7, figs. 55–56 (in *Seriola fasciata*; Bermuda).  
 species Lint., 1907, 116, pl. 10, fig. 70 (in *Sphryæna sphryæna*; Bermuda).  
 species Lint., 1907, 118 (in *Teuthis cœruleus*; Bermuda).  
 species Lint., 1907, 114–115, pl. 8, fig. 61 (in *Teuthis hepatus*; Bermuda).  
 species Lint., 1907, 115, pl. 8, fig. 62 (in *Tylosurus acus*; Bermuda).  
 species Olss., 1876a, 148 (in gall bladder of *Larus argentatus*).  
*subtenue* Lint., 1907, 106, pl. 9, fig. 65 (in *Calamus calamus*, Harpe rufa, Iridio bivittatus, *Lachnolaimus maximus*; Bermuda).  
*tomex* Lint., 1907, 112–113, pl. 14, figs. 94–96 (in *Epinephelus striatus*; Bermuda).  
*trulla* Lint., 1907, 109, pl. 9, fig. 79 (in *Ocyurus chrysurus*; Bermuda).

DUCROCGLIUM Neumann, 1897f, 659, misprint for *Dicrocoelium*.

ECHINOSTOMUM. [See above, p. 246.]

- gazetta* Arch. f. Naturg., 1901, v. 2 (8), 188, for *garzetta*.  
*putorii* (Schrunk,? or Gmelin, 1790) Rall., 1898, 172 (syn. *Fasc. trigonocephala*) (in dog).  
 species Hausmann, 1899a, 448, 449, 452 (in *Corvus frugilegus*).  
 species Wolffhuegel, 1900, 35.

ECTENURUS Looss, 1907, May 14, 596–597 (tod. lepidus); *Dinurinae*, *Hemiuroidae*; 1907, 69, 99, 123–124, 131, 153, 167.

- lepidus* Looss, 1907, 597 (t. h. *Lichia amia*; also in *Atherina hepsetus*, *Caranx trachurus*, *Cepola rubescens*, *Lophius piscatorius*, *Mæna vulgaris*, *Scomber collas*, *Smaris alcedo*, *Trachipteron tania*); 1907, 69, 123, 124, pl. 10, figs. 26, 27, pl. 13, fig. 46.

ENCOTYLLABE. [See above, p. 251.]

- parona* Mont., 1907, 3, 4, 6, 7, 9–10, pl. 10, figs. 13–15 (in *Crenilabrus pavo*; Genova), E. sp. of Braun, Par. & Per., St. Remy.  
 species Lint., 1907, 103, pl. 7, figs. 49–53 (in *Calamus calamus*; Bermuda).  
*rallci* Mont., 1907, 3, 4, 6, 7, 10–11, pl. 10, figs. 4–9, 16 (in *Chrysophrys aurata*; Trieste).

FASCIOLA. [See above, p. 254.]

- egyptiaca* Pease, 1901b, 7, for *egyptiaca*.  
*jacksoni* Cobbold, 1869a, 80, for *jacksonii*.  
*jacksoni* Stazzl, 1900, 3, 4, 5, for *jacksonii*.  
*magna* (Bassi, 1875) Sons., 1889, 275.  
 species Merrem, 1781, 169–172, pl. 1, figs. 3–7 (in mouse) “Sack-Egels.”—Stiles & Stev., 1905a, 10 syn. of *Tænia teniæformis*.—Stiles, 1906a, 43, syn. of *Cysticercus fasciolaris*.

GASTEROSTOMUM. [See above, p. 270.]

- baculatum* Lint., 1907, 119, for *baculum*.  
*gracilius* Pelseneer, 1906, 176, for *gracilescens*.  
 species Braun, 1893a, 866 (in *Belone vulgaris*, *Cardium edule*, *C. rusticum*, *Ostrea edulis*, Rothen, Hale).  
 species Lint., 1907, 119 (in *Mycteroperca apua*; Bermuda).  
 species Lint., 1905d, 335, 379 (in *Orthopristis chrysopterus*; Beaufort, N. C.).  
 species Lint., 1905d, 335, 364 (in *Seriola lalandi*; Beaufort, N. C.).  
 species Olss., 1869b, 498.  
 species Tennent, 1906, 640 (in *Scomberomorus maculatus*).  
 species Tennent, 1906, 640, 679, 682 (in *Tylosurus marinus*).  
 species Ziegler, 1883, 530 (in *Cyclopterus lumpus*).

GASTRODISCUS. [See above, p. 273.]

- watsoni* (Conyngham, 1904) Verdun, 1907, 285, fig. 110.

GASTROSTOMUM Otto, 1896a, 122, for *Gasterostomum*.

## GYMNOPHALLUS. [See above, p. 276.]

*dipsilis* Nicoll, 1907, 247, 263-265 (in *Oldemia fusca*, *O. nigra*; Great Britain).

*margaritarium* (Dubois, 1901) Dubois, 1907, 502-504 (in *Mytilus edulis*, *M. gallo-provincialis*).—Glard, 1907, 419.

## GYRODACTYLIASIS Hofer, 1904a, 134ff, name of infection.

## HEMIURUS. [See above, p. 282.]

*rugosus* Looss, 1907, May 14, 591 (in *Clupea pilchardus*, *C. sardina*, *Rhombus maximus*; Trieste); 1907, 105-106, 159, pl. 7, figs. 4, 5 (syn. *H. stossichi* Luehe, not *Apoblema* st. Mont., 1891).

## HEXATHYRIDIDIUM. [See above, p. 286.]

*sanguicola* delle Chiaje, 1825a, 15 (syn. of *Polyst. venarum*).

## HOLOSTOMUM. [See above, p. 289.]

*cusculus* Thoss, 1897, 1-66, pls. 1-2 (in *Bursa* fab. of *Larus ridibundus*; Kiel).—Kopczynski, 1907, 642.

HOLOSTOMUM Thoss, 1897, 12, for *Holostomum*.

## HOMALOGASTER. [See above, p. 294.]

*philippinensis* Stiles & Goldberger, 1908, 25-30, figs. 29-44 (in *Bos* sp.; Manila, P. I., Phrapatoom, Siam).

## ITYOGONIMUS. [See above, p. 294.]

*flum* Looss, 1907, 606-607, figs. 2a-b (in *Talpa europæa*; Leipzig).

## LECITHASTER. [See above, p. 295.]

*galeatus* Looss, 1907, May 14, 607 (in *Mugil auratus*; Egyptian Coast); 1907, 165-166, pl. 15, figs. 73, 74.

*stellatus* Looss, 1907, May 14, 606-607 (in *Belone acus*, *Mæna vulgaris*; Trieste); 1907, 165, pl. 14, fig. 66, pl. 15, figs. 75, 76 (in *B. a.*, *Dentex vulg.*, *M. v.*).

## LECITHOCHIRIUM. [See above, p. 295.]

*gravidum* Looss, 1907, May 14, 603 (t. h. *Anguilla vulgaris*; also in *Gobius capito*, *Platessa passer*, *Rhombus maximus*; Trieste); 1907, 142, 148-149, pl. 14, figs. 60, 61, 63 (in *A. v.*, *Conger conger*, *Corvina nigra*, *G. c.*, *Hippocampus guttulatus*, *Labrax lupus*, *P. p.*, *R. m.*, *Syngnathus acus*; Trieste).

## LECITHOCLADIUM. [See above, p. 296.]

*crenatum* (Mol., 1859) Looss, 1907, 599 (in *Centrolophus pomplilus*), perhaps n. sp.; 1907, 134-135, 169 (in *C. p.*; Trieste).

*cristatum* (Rud., 1819) Looss, 1907, 598-599 (in *Dactylopterus volitans*; Naples; *Stromateus fiatola*; Rimini, Trieste, Naples); 1907, 133-134, 135, 169, pl. 11, figs. 30, 31, pl. 13, figs. 44, 45 (in *S. f.*; Trieste).

*gulosum* (Lint., 1901) Looss, 1907, 135 (in *Rhombus* (*Stromateus*, *triacanthus*; Woods Hole, U. S. A.).

## LEVINSENIELLA. [See above, p. 299.]

*macrophallos* (Linst., 1875) Jägers., 1907, 148.

*opaca* (Ward, 1894) Jägers., 1907, 148.

*pellucida* Jägers., 1907, 134, 136, 141-144, 147-148, 150, 151, figs. 6, 7 (in *Anas boschas fera*, *Fuligula fuligula*; West Coast of Sweden).

*propinqua* Jägers., 1907, 135-139, 140, 141, 142, 143, 144, 147-148, 150, figs. 1, 2, 3, 4, 5 (in *Charadrius hiaticula*, *Hematanopus ostralegus*; West Coast of Sweden).

MARITREMA Nicoll, 1907, 246, 265-266 (tod. *gratosum*).

*gratosum* Nicoll, 1907, 247, 248, 265, 266-267, 268, 269 (in *Egialitis hiaticula*, *Hematanopus ostralegus*, *Larus ridibundus*, (t. h.) *Pelidna* (*Tringa*) *alpina*; Great Britain).

*humile* Nicoll, 1907, 247, 266, 268-269 (in *Totanus calidris*; Great Britain).

*lepidum* Nicoll, 1907, 247, 266, 267-268 (in *Larus argentatus*; Great Britain).

## MESOGONIMUS. [See above, p. 302.]

*columba* (Mazzanti, 1889) Mazzanti, 1890, 139.

- MICROCOTYLE.** [See above, p. 304.]  
 species Lint., 1905d, 335, 385 (in *Cynoscion regalis*; Beaufort, N. C.).  
 species Lint., 1905d, 335, 370, pl. 20, figs. 147-150 (in *Pomatomus saltatrix*; Beaufort, N. C.).  
 species Lint., 1907, 103-104 (in *Calamus calamus*, *Diplodus sargus*; Bermuda).
- MICRORCHIS** Daday, 1907, 481-482, 495, 526, 527, 528, 529, 530, 531, 533, 534, 535, 536, 538, 539, 540, 542, 545, 550, 552, 566, 567, 579, 580, 581 (type by present designation, on page precedence, *megacotyle*).  
*ferrum-equinum* (Dies., 1836) Daday, 1907, 484, 485, 487, 488-494, 528, 530, 532, 533, 535, 537, 538, 539, 546, 547, 549, 553, 554, 556, 559, 561, 565, 576, 578, 581, pl. 24, figs. 27-29; pl. 25, figs. 1-6 (syn. *Amphist. ferrum-equinum*) (in *Cataphractus corome*, *C. murica*).  
*megacotyle* (Dies., 1836) Daday, 1907, 482-488, 494, 527, 530, 532, 537, 546, 547, 549, 554, 561, 563, 565, 576, 578, 581, pl. 24, figs. 16-26 (syn. *Amphist. megacotyle*) (in *Silurus palmito*; Mattogrosso).
- MONOSTOMUM.** [See above, p. 308.]  
*lophocerca* (Fil., 1857) Lebour, 1907, 430, 440, 443-444 (in *Bythinia tentaculata*, *Paludetrina stagnalis*; England).  
 species Lint, 1907, 118-119, pl. 14, figs. 92-93 (in *Bathystoma striatum*, *Haemulon flavolineatum*; Bermuda).  
 species Nicoll, 1907, 247 (in *Larus argentatus*).  
 species Nicoll, 1907, 247 (in *Oidemia fusca*).
- NITYCHIA** Nord, 1833b, 384, for *Nitzschia*.
- NITYSCHIA** Nord., 1833b, 376, for *Nitzschia*.
- OCTOROTHIRIUM.** [See above, p. 324.]  
*melangi* Lebour, 1907, 442, for *merlangi*.  
 species Olss., 1876a, 148 (in *Thymallus vulgaris*).
- OPHECONA** Looss, 1907, May 14, 616 (tod. *bacillare*).—Poche, 1907, Aug. 20, 103.  
*bacillare* (Mol., 1859) Looss, 1907, May 14, 616.
- PACHYTREMA** Looss, 1907, 610 (tod. *calculus*).  
*calculus* Looss, 1907, 610-613, figs. 3-4, *Opisthorchiiden* (in *Larus argentatus*, *L. ridibundus*; Trieste).
- PARAGOMINUS** Daniels & Stanton, 1907, 343, for *Paragonimus*.
- PARAGONIMUS.** [See above, p. 335.]  
*heterophyes* (Sieb., 1853) Neveu-Lemaire, 1904a, 73, 88, 89.
- PARAPHISTOMUM** Daniels & Stanton, 1907, 342, for *Paramphistomum*.
- PARORCHIS.** [See above, p. 337.]  
*acanthus* (Nicoll, 1906) Nicoll, 1907, 247 (in *Larus argentatus*, *L. canus*).
- PHYLLINE.** [See above, p. 338.]  
*endorfi* Par. & Per., 1895, 2, for *hendorfi*.
- PHYLLODISTOMUM.** [See above, p. 339.]  
*angulatum* Linst., 1907, [2] 202, 1 fig. (in *Lucioperca sandra*; Wolga).
- PLACOTREMA** Looss, 1907, May 14, 615 (tod. *inversum*).  
*inversum* Looss, 1907, May 14, 615 (in *Chrysophrys aurata*; Trieste).
- PLATYNOSUM** Looss, 1907, 607 (tod. *semifusum*).  
*semifusum* Looss, 1907, 607-608, fig. 3 (in *Circætus* [= *Circætus*?] *gallicus*; Genoa).
- PLERURUS** Looss, 1907, May 14, 604-605 (tod. *digitatus*), *Sterrhurinae*, *Hemiluridae*; 1907, 60, 78, 100, 152-153, 154.  
*digitatus* (Looss, 1899) Looss, 1907, 605 (in *Sphryæna vulgaris*; Red Sea, Sawakin); 1907, 69, 152, 153-154, pl. 15, figs. 68, 69.
- POLYSTOMA.** [See above, p. 350.]  
*paguri* Nord., 1833b, 379, see Bull. Soc. Philom., 1811, no. 44, 271, t. 2.
- POLYSTOMIDÆ** Mont., 1888a, 89, for *Polystomidae*.



- PRISTISOMUM Looss, 1907, May 14, 615 (tod. pumex).  
*caducum* Looss, 1907, May 14, 615 (in *Umbrina cirrhosa*; loc. not given).—  
 Poche, 1907, Aug. 20, 103.  
*pumex* Looss, 1907, May 14, 615 (in *Caranx trachurus*; loc. not given).  
 PSEUDOCYLADORCHIS Daday, 1907, 481 404–405, 526, 527, 528, 529, 530, 532,  
 533, 534, 536, 537, 541, 547, 549, 550, 552, 553, 554, 561, 565, 566, 567, 576,  
 580, 581 (type by present designation, on page precedence, *cylindricus*).  
*cylindricus* (Dies., 1836) Daday, 1907, 495–501, 502, 503, 504, 506, 512, 530,  
 535, 538, 546, 554, 566, 579, pl. 25, figs. 7–16 (in *Cataphractus murica*,  
*Salmo pacupeba*, S. sp., *Silurus megacephalus*; Villa Maria, Brazil).  
*macrostomus* Daday, 1907, 506–509, 530, 531, 535, 538, 546, 554, 566, pl. 26,  
 figs. 8–12 (in *Salmo pacupa*, S. sp.; loc. South America, same as *Amphist. oxycephalum*).  
*nephrodorchis* Daday, 1907, 501–506, 508, 509, 530, 535, 538, 546, 554, 566,  
 pl. 25, figs. 17–22; pl. 26, figs. 1–7 (in *Salmo pacu*, S. *pacupa*, S. sp.; loc.  
 South America, same as *Amphist. oxycephalum*).  
 PTYCHOGONIMUS. [See above, p. 357.]  
*volgensis* Linst., 1907, 201 [1] (in *Lucloperca sandra*; Wolga).  
 SCHISTOSOMUM. [See above, p. 359.]  
*hamatobium japonicum* (Katsurada, 1904) Verdun, 1907, 290, 311, 313 (syn.  
 of *S. cattol*).  
 SCUTARIELLA Mrazek, 1907, 1–6, 1 pl., figs. 1–6 (m. *didactyla*).  
*didactyla* Mrazek, 1907, 1–6, pl. 1, figs. 1–6 (in *Atyaephyra desmarestii*;  
 Moraca-Flusses, Scutarisee bei Plavnica).  
 SPOROCYSTIS. [See above, p. 362.]  
*cotti* Zschokke, 1884, 6, 11, 56–58, pl. 2, fig. 13 (in *Cottus gobio*).  
 STERRURHINÆ Looss, 1907, 99, for *Sterrhurinæ*, see p. 364.  
 STROMYLOTREMA Poche, 1907, Aug. 20, 105, for *Stomylotrema*, see p. 365.  
 SYNCELIUM. [See above, p. 366.]  
*ragazzii* Janicki, 1907, 719, for *ragazzii*.  
 TRISTOMA. [See above, p. 375.]  
*inermis* Goto, 1899a, 273, see *laeve* var. *inermis*.  
 UDONELLA. [See above, p. 381.]  
*caligarum* Ben., 1858a, 1861a, 12, 13–18, pl. 1, figs. 1–15, for *calligorum*.

## NOTICE TO LIBRARIANS AND BIBLIOGRAPHERS CONCERNING THE SERIAL PUBLICATIONS OF THIS LABORATORY.

The Hygienic Laboratory was established in New York, at the Marine Hospital on Staten Island, August, 1887. It was transferred to Washington, with quarters in the Butler Building, June 11, 1891, and a new laboratory building, located in Washington, was authorized by act of Congress, March 3, 1901.

The following *bulletins* [Bulls. Nos. 1-7, 1900 to 1902, Hyg. Lab., U. S. Mar.-Hosp. Serv., Wash.] have been issued:

No. 1.—Preliminary note on the viability of the *Bacillus pestis*. By M. J. Rosenau.

No. 2.—Formalin disinfection of baggage without apparatus. By M. J. Rosenau.

No. 3.—Sulphur dioxide as a germicidal agent. By H. D. Geddings.

No. 4.—Viability of the *Bacillus pestis*. By M. J. Rosenau.

No. 5.—An investigation of a pathogenic microbe (*B. typhi murium* Danyz) applied to the destruction of rats. By M. J. Rosenau.

No. 6.—Disinfection against mosquitoes with formaldehyde and sulphur dioxide. By M. J. Rosenau.

No. 7.—Laboratory technique: Ring test for indol, by S. B. Grubbs and Edward Francis; Collodium sacs, by S. B. Grubbs and Edward Francis; Microphotography with simple apparatus, by H. B. Parker.

By act of Congress approved July 1, 1902, the name of the "United States Marine Hospital Service" was changed to the "Public Health and Marine-Hospital Service of the United States," and three new divisions were added to the Hygienic Laboratory.

Since the change of name of the Service the bulletins of the Hygienic Laboratory have been continued in the same numerical order, as follows:

No. 8.—Laboratory course in pathology and bacteriology. By M. J. Rosenau. (Revised edition March, 1904.)

No. 9.—Presence of tetanus in commercial gelatin. By John F. Anderson.

No. 10.—Report upon the prevalence and geographic distribution of hookworm disease (uncinariasis or ancylostomiasis) in the United States. By Ch. Wardell Stiles.

No. 11.—An experimental investigation of *Trypanosoma lewisi*. By Edward Francis.

No. 12.—The bacteriological impurities of vaccine virus; an experimental study. By M. J. Rosenau.

No. 13.—A statistical study of the intestinal parasites of 500 white male patients at the United States Government Hospital for the Insane; by Philip E. Garrison, Brayton H. Ransom, and Earle C. Stevenson. A parasitic roundworm (*Agamomermis culicis* n. g., n. sp.) in American mosquitoes (*Culex sollicitans*); by Ch. Wardell Stiles. The type species of the cestode genus *Hymenolepis*; by Ch. Wardell Stiles.

No. 14.—Spotted fever (tick fever) of the Rocky Mountains; a new disease. By John F. Anderson.

No. 15.—Inefficiency of ferrous sulphate as an antiseptic and germicide. By Allan J. McLaughlin.

No. 16.—The antiseptic and germicidal properties of glycerin. By M. J. Rosenau.

No. 17.—Illustrated key to the trematode parasites of man. By Ch. Wardell Stiles.

No. 18.—An account of the tapeworms of the genus *Hymenolepis* parasitic in man, including reports of several new cases of the dwarf tapeworm (*H. nana*) in the United States. By Brayton H. Ransom.

No. 19.—A method for inoculating animals with precise amounts. By M. J. Rosenau.

No. 20.—A zoological investigation into the cause, transmission, and source of Rocky Mountain "spotted fever." By Ch. Wardell Stiles.

No. 21.—The immunity unit for standardizing diphtheria antitoxin (based on Ehrlich's normal serum). Official standard prepared under the act approved July 1, 1902. By M. J. Rosenau.

No. 22.—Chloride of zinc as a deodorant antiseptic, and germicide. By T. B. McClintic.

No. 23.—Changes in the Pharmacopœia of the United States of America. Eighth Decennial Revision. By Reid Hunt and Murray Galt Motter.

No. 24.—The International Code of Zoological Nomenclature as applied to medicine. By Ch. Wardell Stiles.

No. 25.—Illustrated key to the cestode parasites of man. By Ch. Wardell Stiles.

No. 26.—On the stability of the oxidases and their conduct toward various reagents. The conduct of phenolphthalein in the animal organism. A test for saccharin, and a simple method of distinguishing between cumarin and vanillin. The toxicity of ozone and other oxidizing agents to lipase. The influence of chemical constitution on the lipolytic hydrolysis of etheral salts. By J. H. Kastle.

No. 27.—The limitations of formaldehyde gas as a disinfectant with special reference to car sanitation. By Thomas B. McClintic.

No. 28.—A statistical study of the prevalence of intestinal worms in man. By Ch. Wardell Stiles and Philip E. Garrison.

No. 29.—A study of the cause of sudden death following the injection of horse serum. By M. J. Rosenau and John F. Anderson.

No. 30.—I. Maternal transmission of immunity to diphtheria toxin. II. Maternal transmission of immunity to diphtheria toxin and hypersusceptibility to horse serum in the same animal. By John F. Anderson.

No. 31.—Variations in the peroxidase activity of the blood in health and disease. By Joseph H. Kastle and Harold L. Amoss.

No. 32.—A stomach lesion in guinea pigs caused by diphtheria toxine and its bearing upon experimental gastric ulcer. By M. J. Rosenau and John F. Anderson.

No. 33.—Studies in experimental alcoholism. By Reid Hunt.

No. 34.—I. *Agamofilaria georgiana* n. sp., an apparently new roundworm parasite from the ankle of a negress. II. The zoological characters of the roundworm genus *Filaria* Mueller, 1787. III. Three new American cases of infection of man with horsehair worms (species *Paragordius varius*), with summary of all cases reported to date. By Ch. Wardell Stiles.

No. 35.—Report on the origin and prevalence of typhoid fever in the District of Columbia. By M. J. Rosenau, L. L. Lumsden, and Joseph H. Kastle. (Including articles contributed by Ch. Wardell Stiles, Joseph Goldberger, and A. M. Stimson.)

No. 36.—Further studies upon hypersusceptibility and immunity. By M. J. Rosenau and John F. Anderson.

No. 37.—Index-catalogue of medical and veterinary zoology. Subjects: Trematoda and trematode diseases. By Ch. Wardell Stiles and Albert Hassall.

No. 38.—The influence of antitoxin upon post-diphtheritic paralysis. By M. J. Rosenau and John F. Anderson.

No. 39.—The antiseptic and germicidal properties of solutions of formaldehyde and their action upon toxins. By John F. Anderson.

No. 40.—Miscellaneous zoological papers. By Ch. Wardell Stiles and Joseph Goldberger.

No. 41.—Milk and its relation to the public health. By various authors.

In citing these bulletins, beginning with No. 8, bibliographers and authors are requested to adopt the following abbreviations: Bull. No. —, Hyg. Lab., U. S. Pub. Health & Mar.-Hosp. Serv., Wash., pp. —.

#### MAILING LIST.

The Service will enter into exchange of publications with medical and scientific organizations, societies, laboratories, journals, and authors. Its publications will also be sent to nonpublishing societies and individuals in case sufficient reason can be shown why such societies or individuals should receive them. All applications for these publications should be addressed to the "Surgeon-General, U. S. Public Health and Marine-Hospital Service, Washington,

8588—No. 37—08—28

O

MAR 7 1921











**DO NOT CIRCULATE**



